



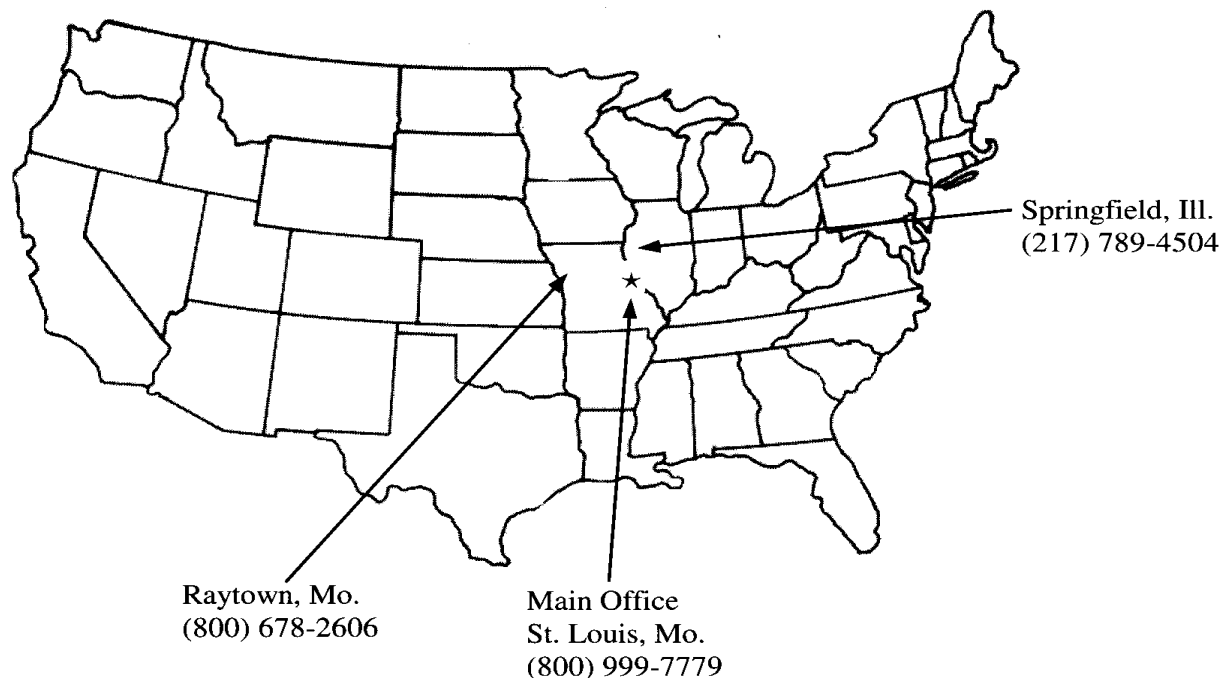
Since the 1970's Electrorep-Energy Products has been a nationwide leader in the sales, service and parts of battery and charger components related to the stationary and industrial battery market. We believe that our success and longevity in this competitive and demanding business can be attributed to several factors. Chief among these factors is an unwavering dedication to serving our customers. Our customers are the reason for our

business growth and without them there would be no need for this parts catalog. Secondly, we believe that diversifying our product lines through many quality vendors has been a tremendous advantage. We enjoy an excellent working relationship with many distributors and manufacturers of the best battery and charger parts in the industry. Adding to our success has been expanding into carefully selected markets. We have grown from our original base in St. Louis, Missouri to multiple locations stretching from the Carolinas to California and Hawaii. Acquiring GNB Technology's stationary and industrial battery lines has accounted for much of this growth.

Our people are our #1 resource. The growth and diversification we have experienced since 1970 would have been impossible without them. They will continue to offer you the best products lines available from outstanding vendors like the ones contained on these pages. Our designation by both OSHA and the EPA as an approved vendor is just one confirmation of the training and skills our people possess.

We are very proud of our accomplishments and want to thank *you* for helping us continue to reach new heights. We have always known our most valuable assets are our customers. Publication of this catalog is just one more way for us to communicate with you and address your needs.

We will continue utilizing our abilities and resources to give you the best possible service and products. Looking ahead to the new millennium, it is our goal to see our businesses grow together in a mutually rewarding partnership.



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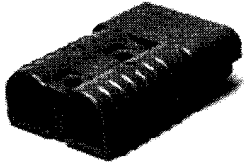
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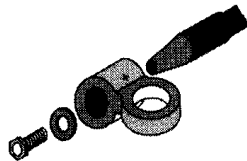
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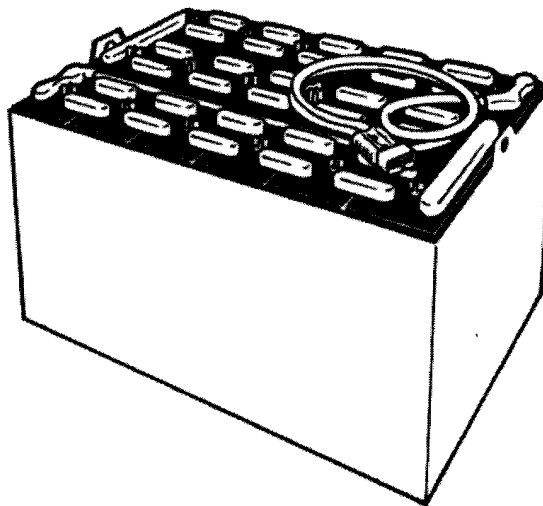
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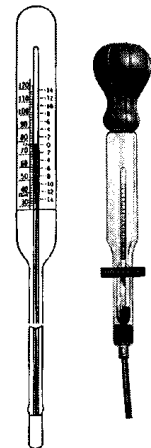
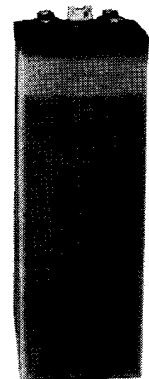
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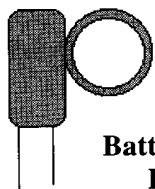
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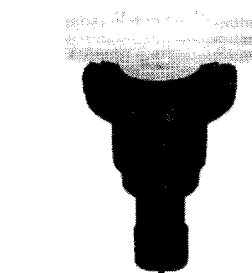
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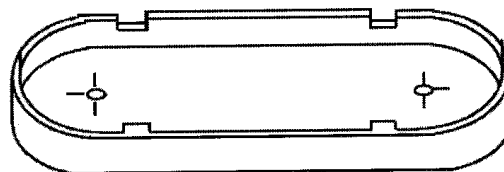
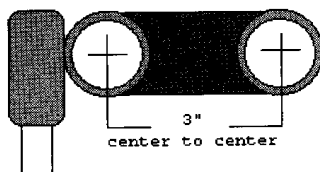
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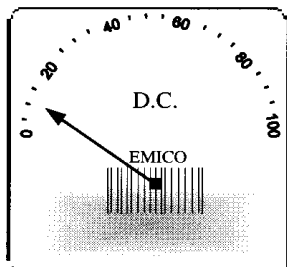


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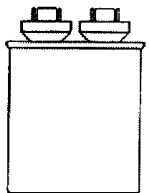


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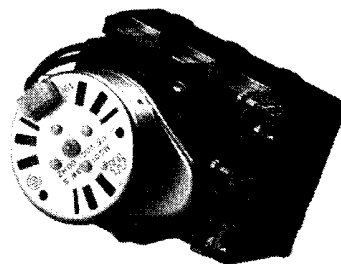
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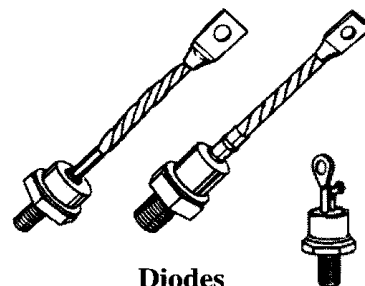
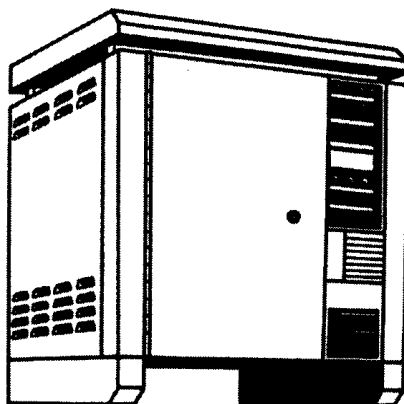
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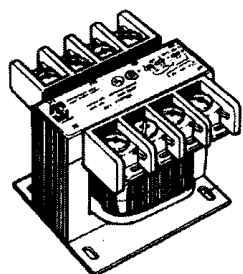
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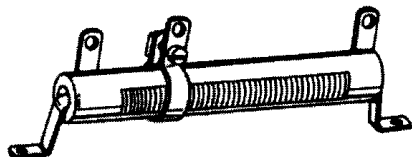
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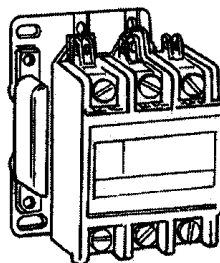
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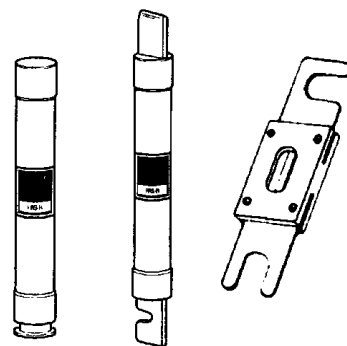
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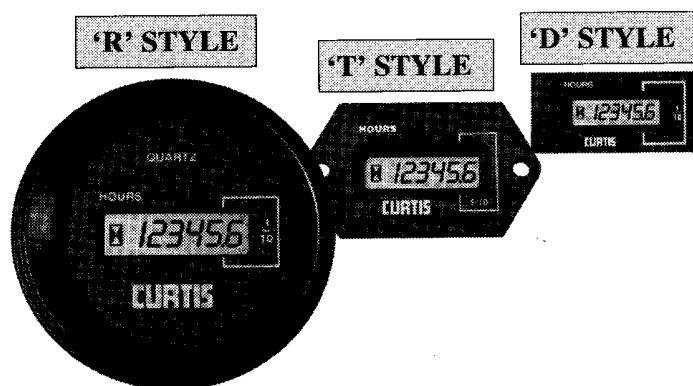


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700 Series Hour Meters



Model 700: Displays only when powered, AC or DC
Model 701: Provisions for continuous display, DC only

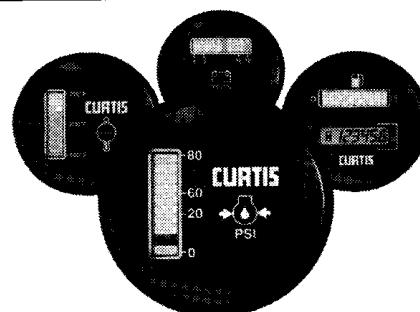
The 700 Series Hour Meters, designed for industrial and commercial applications, combine a custom VLSI and an LCD in a single module to assure exceptional reliability even in severe operating conditions.

Features

- Reliability: Proven solid state circuitry in a single module delivers the level of reliability needed to monitor the use of equipment or assemblies through their lifespans
- Records and displays up to 99999.9 hours, rolls over and continues counting
- Stores use time total in memory without need of a battery
- Operates in a temperature range of -40C to +85C and in harsh conditions of vibration, shock, moisture and dust
- Minimal power requirement
- Designed for easy panel-mount installation
- Available in voltage ranges from 5 to 80 VDC
- Two-year warranty from date of delivery

Industrial LED Gages

SOLID STATE MONITORING INSTRUMENTS



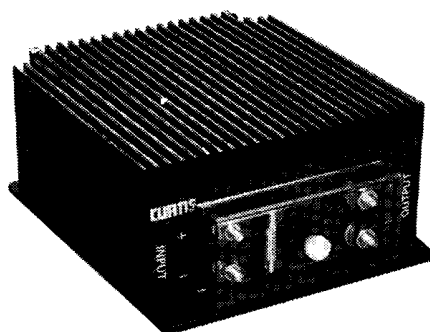
The Curtis 2100 Series consists of instruments which measure fuel level, water temperature, oil pressure, battery status and other parameters as needed. Because they are all-solid-state, they are especially suited for rugged applications of off-road equipment. These new gages are targeted for use in golf carts, generators, welding equipment, construction and material handling equipment.

Features

- Advanced, Proven Solid State Technology
- Popular Curtis 10-bar LED status display
- Many display options available including LCD
- Programmable and flexible
- Compact and easy to mount
- Two logic level outputs
- Unique dual gage combination
- Highly readable self-illumination
- Special panels available
- Accurate reading

CURTIS is the World Leader in Instrumentation

CURTIS 1400 REGULATED DC/DC CONVERTER



General Specifications:

Efficiency: 87% (24/36v) 90% (72/96v)
 Operating Temp Range: -30C to +55C
 Packaging: Water Resistant
 Dimensions: 6.89" x 5.51" x 2.87"
 Weight: 4.6 pounds

This DC/DC converter applies advanced technology to fill a need in the realm of electric forklifts and other electric industrial and on-road vehicles: how to reduce voltage for accessories efficiently. The need is heightened by a trend to use 12 - or 24 - volt automotive accessories in such vehicles to minimize inventories and simplify support logistics. In the past it was common to tap a battery to reduce voltage, but this can shorten battery life and pose safety risks.

The Curtis 1400 employs the CUK converter concept with integrated magnetics and is configured specifically for electric vehicles. In contrast to the shortcomings of conventional converters, the Curtis 1400:

- Delivers ultra high efficiency, unmatched power density and superior reliability
- Isolates input and output dielectrically to separate accessories from traction power, an important safety consideration
- Provides regulated, filtered output to preclude dimming and other effects of voltage drops caused by battery loading
- Is smaller, lighter, cooler and quieter (it's inaudible) than conventional converters
- One-year warranty from date of delivery

CURTIS Instruments

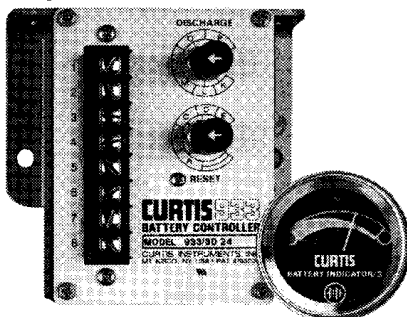
Curtis is the world's largest manufacturer of speed controls and instruments for DC-powered vehicles.

Since introducing the Curtis 933 Battery "Fuel" gage and controller in 1975, Curtis has become the world's market leader among users and manufacturers of electric forklift trucks and other plant and mining vehicles.

Today, the line includes units for battery-powered golf carts and wheelchairs.

ELECTRIC "FUEL" GAGE & BATTERY CONTROLLER

MODEL 933/3D



DESCRIPTION

Model 933/3D is a battery "fuel" gage and controller with lift lockout and adjustable reset and discharge settings. These proven instruments provide reliable operation, even in the most severe conditions.

Application

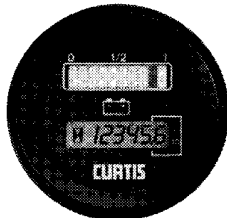
The Curtis Model 933/3D prolongs battery life and protects vehicle components from the effects of deep discharge in material handling and other battery powered industrial vehicles.

Features

- Flashing red LED signals "energy reserve" warning at 75% discharge.
- At 80% discharge, this instrument locks out the lift coil circuit on industrial lift trucks and provides optional warning signals in other vehicles.
- If 80% discharge is reached during a lift, the lift is completed before the lift circuit is locked out.
- Recognizes improperly charged battery.
- Internal battery with typical 10-year life retains "state-of-charge" level memory when external power is removed.
- Adjustable reset level and discharge profile (lockout point).
- Controller is easy to install and mounts to body of truck with two 1/4" bolts. The gage is installed in the dash in a standard 2 1/16" round cut-out.
- Available in voltages from 12 to 96 volts, and dual voltage models in 24/36, 36/48, and 72/80.

SOLID STATE "FUEL" GAGE HOUR METER & CONTROLLER

803 SERIES



DESCRIPTION

Model 803 combines in one instrument a completely solid state battery discharge indicator, an LCD hour meter and lift lockout, housed in a 52mm case. Void of moving parts, this combination instrument is exceptionally reliable even in severe operating environments.

"Fuel" Gage Features

- Multicolor 10-bar LED displays state of charge
- Flashing red LED signals alarm at 70% discharged
- Double red LEDs signal "empty" at 80% discharge
- Lift lockout engages at 80% depth of discharge
- Recognizes improperly charged battery
- Internal 10-year battery life retains gage's memory

Hour Meter Features

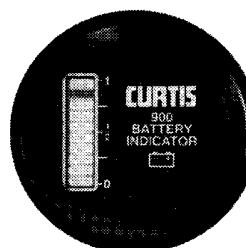
- Monitors use-time throughout equipment's lifetime
- Records and displays up to 99999.9 hours
- Hour meter LCD remains on as long as battery is connected

System Voltages

Available in single voltages from 12 to 80 VDC, or in dual voltage of 24/36, 36/48, 24/48 or 72/80 VDC.

Also available is Curtis Model 802 which is identical to Model 803 but lacks the Lift Lockout feature

CURTIS 900R BATTERY "FUEL" GAGE



DESCRIPTION

The Curtis 900R Battery "Fuel" Gage is a low-cost, easily installed "fuel" gage that has been specifically designed for battery-powered equipment and electric vehicles not requiring lift lockout.

Features

- A digital, multi-colored 10-LED display of state-of-charge
- A flashing light alarm at 75% depth of discharge
- A double flashing light "empty" at 80% depth of discharge
- Improperly charged battery recognition
- Remembers state-of-charge of the battery when disconnected

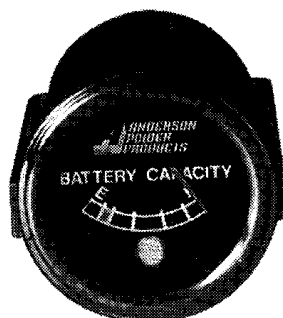
System Voltages: 12, 24, 36, 48, 72, 80VDC

CURTIS®

Battery Capacity Meter

Pow-r-gard® . . . Battery Capacity Meter with Lift Interrupt

monitors and protects the battery and electrical components of forklift trucks, tow tractors, mining vehicles, golf carts, and other electrical vehicles. It is important to know the state-of-charge so batteries may be replaced or recharged at optimum time.



Battery manufacturers generally require that a battery be recharged when it reaches 80% discharge. Recharging sooner, and more frequently, or later shortens the service life of the battery, increases charging costs, and may also increase truck maintenance costs. Unfortunately, this recharge point is not apparent to the operator. By the time the battery voltage has dropped to a point where it affects vehicle performance, the battery is already well beyond its recharge point.

The Pow-r-gard 850 meets these needs by providing a continuously accurate visual indication of the state-of-charge of the battery, and by providing protection against continued operation beyond the proper recharge point.

Design Philosophy of the Pow-r-gard 850

ACCURACY: Under all normal conditions of workload and operating environment.

LEGIBILITY: Clearly marked meter scale for error-free reading.

FLEXIBILITY: No adjustments or special calibration by the user.

RELIABILITY: Years of maintenance-free service.

EASY INSTALLATION: Minimal wiring.

OPTIONAL BATTERY PROTECTION: A separate lift lockout relay.

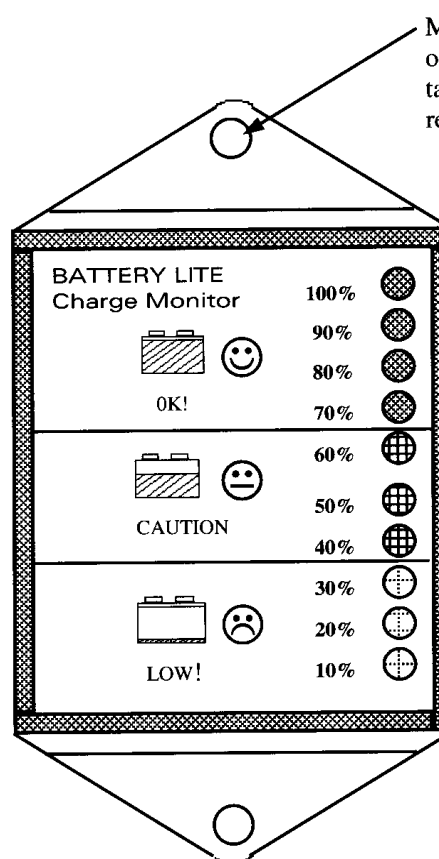
RESERVE CAPACITY LIGHT: Warns operator of the need to recharge in ample time to do it conveniently.

Battery Voltage	Meter w/relay	Meter Only	Relay Only
12V	AN830G12C	AN831G12C	AN889G4
24V	AN830G24C	AN831G24C	AN889G1
36/48V	AN830G3648C	AN831G3648C	AN889G2
72/80V	AN830G7280C	AN830G7280C	AN889G7

"Give me golf clubs, fresh air and a beautiful partner, and you can keep my golf clubs and the fresh air."

Jack Benny
Comedian

Batteryite Status Monitor



Mounts with 2 screws or double-sided foam tape - anywhere required!

At last, a low-cost battery condition status monitor that really works! Not just another cheap idiot light winky toy or crude LED voltmeter...the Battery Lite is an advanced micro-sized battery computer that carefully monitors battery state-of-charge.

BUILT-IN PRECISION BATTERY COMPUTER

- Not a simple voltmeter disguised with an inaccurate % scale
- Out performs ampmeters, hydrometers, voltmeters, etc., costing up to 10 times as much

• LARGE EASY-TO-READ DISPLAY

- Reads out Battery State-of-Charge in %
- Reports if battery is under charge
- Easily understood by anyone

• ULTRA RUGGED CONSTRUCTION

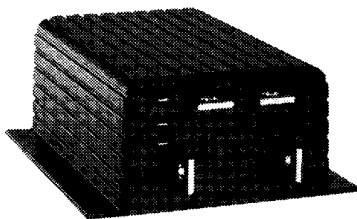
- Corrosion resistant non-metallic ABS
- Epoxy sealed for any environment
- Installs anywhere-even on battery itself
- Operates under water
- 12, 24, 36, 48 and 120VDC versions
- Sophisticated Computerized Circuitry
- High efficiency, < .0 amp draw
- One-year warranty

- Actual Size: 2" wide x 3.75" long

CURTIS PMC

The Curtis PMC models are high power, heavy duty MOSFET electronic motor speed controllers which are ideal for use in electric commuter vehicles, light delivery trucks, and other vehicles utilizing up to 144 volts.

ON ROAD MOTOR SPEED CONTROLLERS



Model 1204

Features

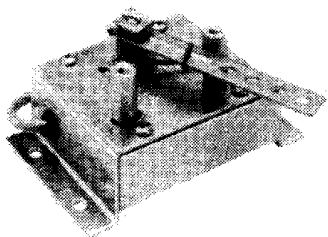
- High frequency switching and ultra low voltage drops provide very high efficiency and silent operation
- Rugged anodized aluminum extrusion housing
- Simple wiring with push-on type connectors
- Thermal protection
- No adjustments are required
- One-year warranty from date of delivery

Call for ordering information on your specific application



ASK ABOUT OUR REBUILDING PROGRAM FOR YOUR EXISTING PMC UNITS

POTBOX



DESCRIPTION

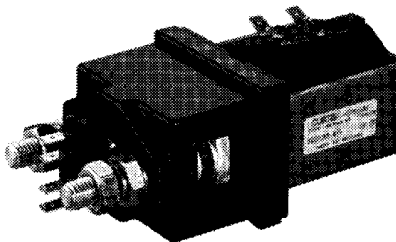
Pictured is Potbox model PB-6 with switch for above PMC controller. The Potbox acts as a "gas pedal" and is sold separately as an optional item.

ACCESSORIES & MISC. PARTS

Part #	Description
1301-002	F/R interlock 36v
PB- 1, 2, 3, 5	Potbox w/o switch
PB- 6, 8, 9	Potbox w/ switch
98191	Potentiometer
FP-2	Footpedal w/ switch
MP-1	Diode
MP-2	Resistor

DC Contactors

SW80 SERIES OF DC CONTACTORS



DESCRIPTION

The SW80 series of contactors has been designed for direct current loads, particularly motors as used on small electric vehicles such as light industrial trucks, powered invalid cars, etc.

Features

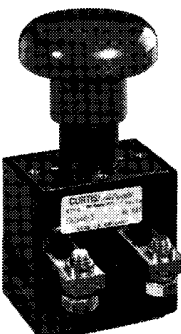
- Compact Size — The contactors are compact in size and fully serviceable with a wide range of spare parts available
- Easy Installation — Mounting is by means of 4mm tapped holes in the switch frame together with a range of mounting brackets complete with screws and washers

There are many, many versions of the contactor available, i.e., single pole single throw, single pole double throw, double pole double throw, with or without magnetic blowout, auxiliary contacts, large contacts, sealed, unsealed, etc. Each contactor is specifically built for your application and, therefore, a 6-week lead time is required.

Call for ordering information on your specific application

BATTERY DISCONNECTING SWITCHES

ED250 SERIES



DESCRIPTION

The Albright ED250 series of disconnecting switches has been designed for use with battery-powered vehicles to provide a rapid means of isolating the battery in the event of a serious electrical fault.

The switches are capable of safely rupturing full load battery currents in the event of such an emergency.

These units are durably constructed, hard wearing and have excellent conductivity.

Features

- 'Snap action' operation for both opening and closing is provided for the ED250 and ED252 by means of a simple overcenter spring device
- The switches are compact in size and fully serviceable, with replacement contacts being readily available
- Easy Installation — is by means of two 5mm screws
- Wide range of available accessories make ED250 and ED252 customizable to your specific application
- Available accessories include:

Magnetic blowouts

Auxiliary contact 'A'

Lockable version

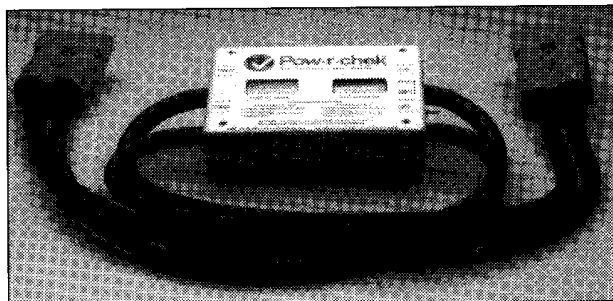
Enclosed top covers

Call for ordering information on your specific application

Please Note: All of the items featured on this page are highly specialized due to the many options that are available for each one. Up to **six weeks** lead time may be required to fill your request for the items ordered.

Anderson Pow-r-Chek®

AMPERE-HOUR METER



The Pow-r-Chek® Diagnostic Instrumentation

The quick, efficient path to:

- Economic Electric Vehicle Usage
- Isolation of Truck or Battery Problems
- Evaluating Charger Performance

User Benefits:

The Anderson Pow-r-chek® can be installed in seconds to provide easy to read and precise performance measurements. Electric truck owners, dealers and manufacturers of batteries, trucks and chargers benefit from the performance of Pow-r-chek®.

- Preventative maintenance and troubleshooting of the battery, charger, and the vehicle electrical system increases fleet efficiency and reduces costly and unnecessary service calls.
- Full diagnostic evaluation can be made when a truck is serviced

EASY TO USE

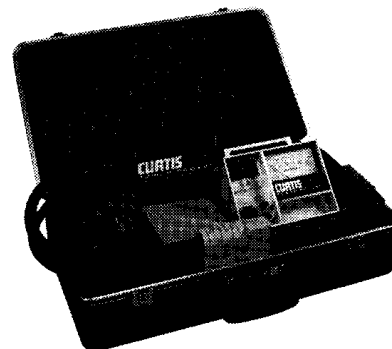
1. Large easy-to-read digital display of voltage current and ampere hours reduces human error.
2. Integral voltmeter eliminates the need for expensive accessory test equipment.
3. Instrument case magnetically attaches to the battery, truck, or charger eliminating time-consuming mechanical mounting.
4. Amperage up to 1999.9 displayed without the need for manual range selection.
5. Industrial-quality carrying case provides portability and protection against accidental abuse.
6. Voltage probes allow test measurements at any point in the truck's electrical system or the battery with readings up to 1999.9 volts.
7. Operates from 0 to 240V with external battery.
8. Operates with vehicle batteries in the range from 24 to 128V.
9. Provides ampere-hour measurements from 0 to 1999.9

DESCRIPTION:

Test instrument including SB350 Connector cable assemblies, magnetic mount, auxiliary power jacks and external voltage probe included in carrying case. Lock to prevent accidental disconnect to the instrument during usage.

Curtis Power Prover®

AMPERE-HOUR METER



The Curtis 1020 Power Prover® Ampere-hour Meter measures instantaneous current and accumulated ampere-hours as work is in progress. The unit serves as an all-purpose test instrument for industrial electric vehicle fleet maintenance. The standard 1020 displays instantaneous current in three amperage ranges (250A, 500A, 1000A) and records accumulated ampere-hours, displayed to the nearest 0.1AH. The unit consists of a receiver and transmitter with associated connectors and cables and is supplied in a rugged carrying case.

RECEIVER OPTIONS:

- 1020R** The standard 1020R is equipped with a multi-range ammeter and a digital ampere-hour meter.
- 1020RAT** The 1020RAT is the same as the 1020R with an added digital hour meter that displays hours to the nearest 0.001 h. The hour meter monitors actual work time and ignores "idling" time. A low-current threshold adjustment permits setting of the threshold from 25A - 100A.
- 1020RBP** The 1020RBP is the same as the 1020R, with a second ampere-hour meter, permitting bipolar (discharge and charge) monitoring, necessary for testing vehicles that have regenerative braking. The unit is equipped with an LED direction indicator.

TRANSMITTER OPTIONS:

- 1020T** The standard 1020T transmitter is designed for 24V-80V batteries, getting its power from the battery being monitored.
- 1020TWR** The 1020TWR is a standard transmitter that is also capable of use with batteries below 24V, for which an external 24V-80V power supply is required.
- 1020TSR** The 1020TSR is a transmitter that is capable of use with batteries from 2V-300V. The unit requires an external 24V-80V DC power supply at all times.

CONNECTORS:

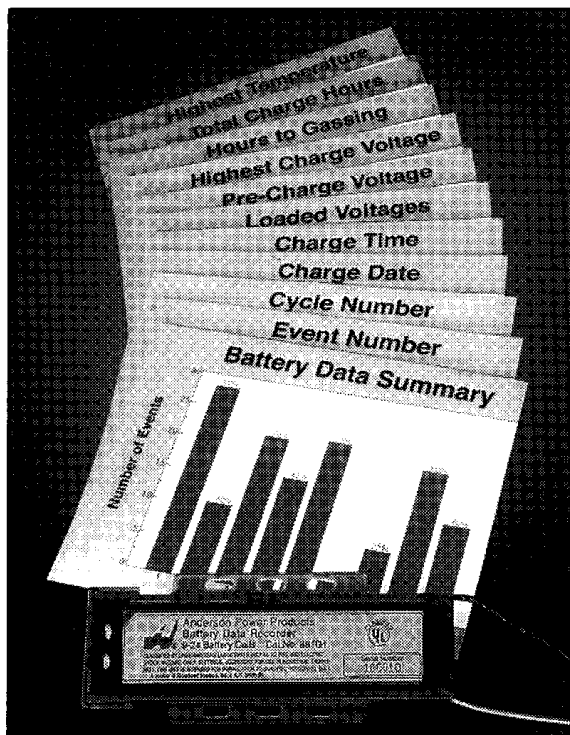
Two universally keyed SB350-type connectors are provided for battery/truck interconnection. Also provided is a receiver/transmitter cable and connector set.

Anderson Battery Data Recorder

BDR®

BDR® is easily installed on any lead acid battery to record a complete history of events and cycles the battery experiences.

The BDR® system instantly sorts raw data into charts and graphs.



BDR®

Records:

- Total number of events and cycles
- Date and time of each event and cycle
- Relative battery temperature
- Lowest voltage underload
- Pre-charge voltage
- Time to gassing
- Total time on charge
- Highest charge voltage

BDR®

Provides:

- Complete and accurate log of each battery
- Information to identify battery / charger problems
- Ability to maintain a database on all batteries
- Verification for warranty claims
- Accurate information to indicate battery usage
- Means to determine the useful life of the battery
- Software to organize raw data
- Indication of abuse or misuse

Technical Background: How the Battery Data Recorder Operates

The Battery Data Recorder is a microprocessor-based device that consists of interactive components that identify, capture, store and transmit data from a lift truck battery to a personal computer for processing and display.

Components include the 3" x 8" BDR® sealed in a lexan case and affixed to the intercell straps and connected to the negative and positive posts of a lead-acid battery with 9 to 24 cells and a nominal range of 18 to 48 volts.

A printed circuit board embedded in the BDR® gathers comprehensive battery operating data, which are transmitted in several seconds to a hand-held accumulator positioned immediately above the system. This instant data transfer allows a service technician to gather complete data from 100 or more batteries in a few hours.

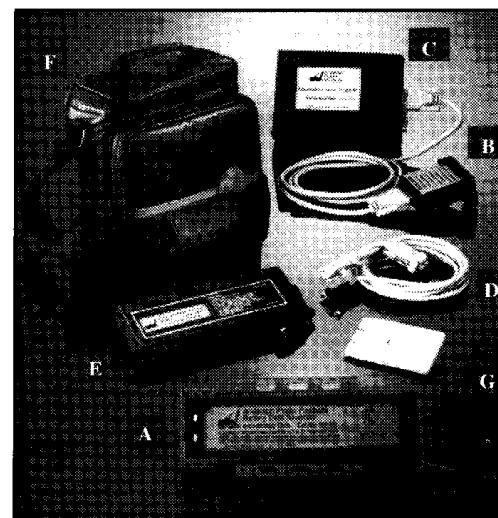
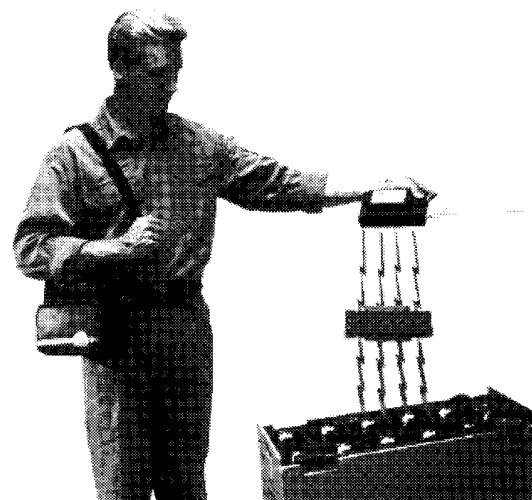
System software instantly sorts raw data into charts and graphs that provide analysis and trends in battery fault summaries, voltage underload, charge voltages, charge times, and temperatures. It also automatically creates individual archives and performance profiles on every battery in the fleet, from date of purchase through operating life.

BDR® Components

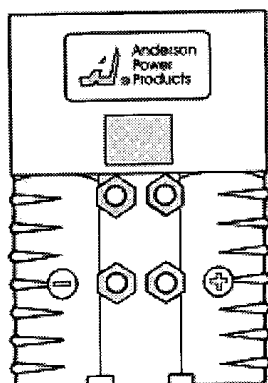
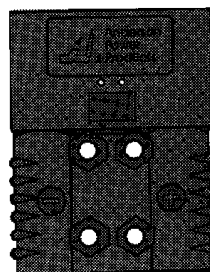
- BDR®: 3" x 8" sealed in lexan case; contains printed circuit board with microprocessor and 16k memory Part #AN881G1 (18-48v)
- Reader head Part #AN882G2 (includes #B, #C, #D, #E, #F)
- Hand-held accumulator Part #/AN113837P1
- Interface cables for accumulator and computer Part #AN11384P1
- 12-volt battery and charger pack for accumulator Part #AN113827P1
- Carrying case shoulder bag Part #AN113838P1
- Optional CYBERCARD to extend accumulator memory capacity Part #AN113839P1

* not pictured Software and Report Generator (2.0) Part #883G1

The System is UL Classified and Comes With a Five-Year Warranty



SBX® Connectors

SBX350

SBX175


THE SBX SERIES CONNECTOR

The SBX® connector is very much like the SB series connector except that there is an auxiliary contact which provides for a secondary circuit.

SBX175 Housing Only

Part #	Description	Color
AN6380G1	Housing	Gray
AN6381G1	With	Blue
AN6382G1	Springs	Orange
AN6383G1		Yellow
AN6385G1		Red
AN6390G1		Green

SBX175 Connector 2-Pole with Auxiliary Contacts

AN6370G1	Housing	Gray	1/0
AN6371G1	With	Blue	1/0
AN6372G1	Springs	Orange	1/0
AN6373G1	2 Contacts & ^a	Yellow	1/0
AN6378G1	Auxiliary	Red	1/0
AN6387G1	Contact Kit	Green	1/0

SBX350 Housing Only

AN6350	Housing	Gray
AN6351	With	Blue
AN6352	Springs	Red
AN6353		Green
AN6361		Black
AN6362		Yellow
AN6339		Orange

SBX350 Connector 2-Pole with Auxiliary Contacts

AN6340G1	Housing	Gray	2/0
AN6340G2	With		3/0
AN6340G3	Springs		4/0
AN6341G1	2 Contacts &	Blue	2/0
AN6341G2	Auxiliary		3/0
AN6341G3	Contact Kit		4/0
AN6342G1		Red	2/0
AN6342G2			3/0
AN6342G3			4/0
AN6360G1		Yellow	2/0
AN6360G2			3/0
AN6360G3			4/0
AN6368G1		Orange	2/0
AN6368G2			3/0
AN6368G3			4/0

Anderson Quick Disconnect

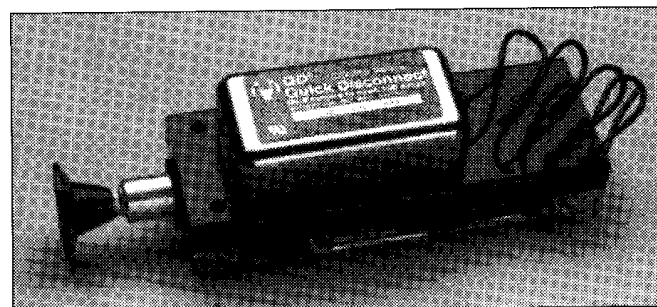
The Anderson QD Concept

Anderson Power Products® QD is a single pole emergency disconnect switch permitting the operator of a battery powered electric vehicle to interrupt the power circuit when an electrical malfunction makes stopping by normal means impossible.

Mounts easily in any suitable location and position.

The push-button switch provides a quick means of disconnection of the battery power from the electric vehicle.

Protects the motor and associated circuitry from damage due to high currents associated with runaway conditions. The push-button switch is electric and can be mounted remotely on order pickers and maintenance platforms.



Property	Characteristics
Rating	350 Amps continuous at 72 VDC max
Load Breaking	2500 Amps at 72 VDC, 100 Cycles
Coil Operation	Continuous duty, 11 Watts at 20 C
Min. Coil VDC	75% of normal rating
Coil Amps VDC	12 18 24 36 48 72
Amps	.87 .52 .42 .22 .15
Mechanical Life	10,000 Cycles minimum
Available Voltages	Wire Size
12v, 18v, 24v, 36v, 48v, 72v	2/0, 3/0, 4/0

F. Y. I.

Did You Know?

- Cold does not discharge a battery, it merely slows the electrochemical conversion
- Explosive gases are not produced until a charging battery reaches 80% charge
- Battery manufacturers generally require that a battery be recharged when it reaches 80% discharge
- Ampere hour ratings effect run time
- Voltage effects speed

Anderson Power Products



Electrorep Energy Products, Inc., is proud to be an exclusive distributor for Anderson Carbolon Products®. Anderson is the world's leading supplier of high-current connectors for battery-powered vehicles.



THE SB® SERIES CONNECTOR

The SB® connector originally supplied by Anderson Power Products has been copied by others but still remains the number ONE choice of most Original Equipment Manufacturers, with over 20-years' performance on Battery Powered Vehicles.

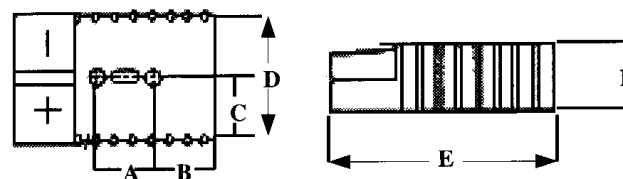
FEATURES	BENEFITS
Spring loaded, highly conductive ETP copper contacts with silver plating.	Self-wiping cleaning action assures greater conductivity.
Genuine Polycarbonate housings.	Non-conductive material can be used safely with industrial batteries.
Individually replaceable contacts.	Enables easy replacement of battery contacts.
Single piece housing.	Unitized construction provide industrial quality durability.
Mechanically keyed and color identified.	Prevents mismatching of battery and charger voltage.

Anderson Power Products® SB® 2 Pole connector is available in 50, 175 and 350 amps rating for use to 600 Volts continuous AC or DC operation. Mechanical keys molded into connectors of the same color only will mate. Different color housings may be selected to identify other voltages, thus preventing the mismatching of the power supply to the electrical output. This hermaphroditic connector was invented by Anderson Power Products.

VOLTAGE KEY COLOR CODE

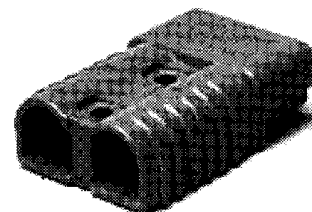
Connectors of different colors may be selected to identify voltages. Only connectors of the same color will engage with each other to help prevent mismatching of voltages. Following are recommended voltage color codes:

COLOR	VOLTAGE RECOMMENDED
Yellow	12V
Orange	18V
Red	24V
Gray	36V
Blue	48V
Green	72V



DIMENSIONS

Model	A		B		C	
	in.	mm.	in.	mm.	in.	mm.
SB50	0.75	19.0	0.25	6.4	0.72	18.2
SB175	1.13	28.5	0.44	11.0	1.09	27.8
SB350	1.13	28.5	1.38	35.0	1.38	35.0
	D		E		F	
	in.	mm.	in.	mm.	in.	mm.
SB50	1.44	36.5	1.88	47.6	0.63	15.9
SB175	2.19	55.6	3.13	79.4	1.00	35.4
SB350	2.75	69.8	4.25	108.0	1.31	33.3



Made in the USA

SB50 Housing Only

part #	Description	Housing Color
AN992	Housing	Black
AN992G1	With	Gray
AN992G2	Springs	Red

SB175 Housing Only

part #	Description	Housing Color
AN940		Gray
AN941	Housing	Blue
AN942	With	Orange
AN943	Springs	Yellow
AN949		Red

SB350 Housing Only

part #	Description	Housing Color
AN906		Gray
AN912	Housing	Blue
AN913	With	Red
AN914	Springs	Yellow
AN931		Green
AN932		Orange

SB® Connectors



SB 50 amp Series Connectors & Contacts

Part #	Description	Housing Color	Wire AWG
AN6319	Housing with	Gray	#6
AN6319G1	2 Contacts		#10/12
AN6331G1		Red	#6
AN6331G2			#10/12
AN6331G3		Black	#6
AN6331G4			#10/12

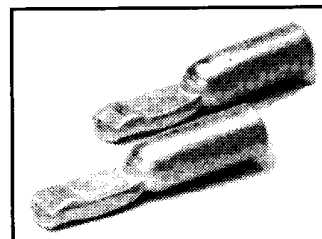
SB175 amp Series Connector & Contacts

Part #	Description	Housing Color	Wire AWG
AN6325G1	Housing with	Gray	
AN6326G1	2 Contacts	Blue	
AN6327G1		Orange	1/0
AN6328G1		Yellow	
AN6329G1		Red	

SB350 amp Series Connector & Contacts

Part #	Description	Housing Color	Wire AWG
AN6320G1	Housing with	Gray	2/0
AN6320G5	2 Contacts		3/0
AN6320G2			4/0
AN6321G1		Blue	2/0
AN6321G5			3/0
AN6321G2			4/0
AN6322G1		Red	2/0
AN6322G5			3/0
AN6322G2			4/0
AN6323G1		Yellow	2/0
AN6323G5			3/0
AN6323G2			4/0
AN6324G1		Green	2/0
AN6324G5			3/0
AN6324G2			4/0
AN6400G1		Orange	2/0
AN6400G5			3/0
AN6400G2			4/0

SB® Contact Sets



SB50 amp Contacts

Part #	Description	Wire AWG
AN903G1	Contact Set	#6
AN904G1	2 Contacts	#10/12

SB175 amp Contacts

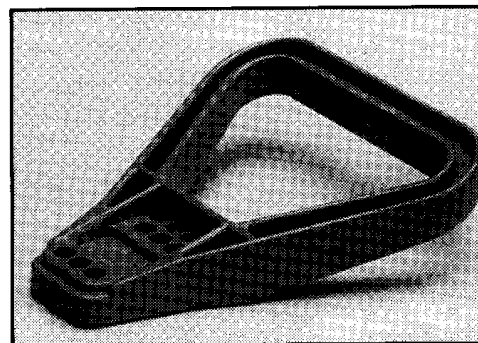
Part #	Description	Wire AWG
AN944	Contact Set	1/0
AN947	2 Contacts	#2
AN948		#4
AN944G1	Individual	#1

SB350 amp Contacts

Part #	Description	Wire AWG
AN907	Contact Set	2/0
AN916	2 Contacts	3/0
AN908		4/0

Handles

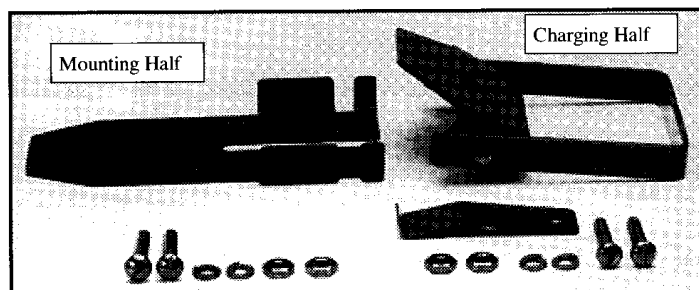
Polycarbonate handle relieves unnecessary strain on cables when disconnecting.



Part #	For Use With	Description	Color
AN995G1	SB175	1 handle & hardware 4 screws, 4 nuts 4 lockwashers	Gray
AN995G2	SB350	1 handle & hardware 4 screws, 4 nuts 4 lockwashers	Gray

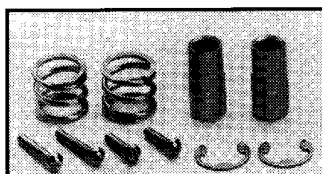
Manual Releases

Provides smooth & efficient power connection / disconnection.
Insulated noncorrosive steel structure.
Maintains connector alignment.

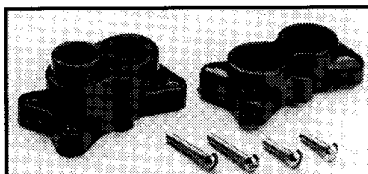


Part #	For Use With	Description	Hardware Kit Includes
AN923	SB175 for battery	Locking half: cable clamps & hardware	3 screws 3 hex nuts 3 lockwashers
AN924	SB175 for truck or charger	Mounting half: hardware	2 screws 2 nuts 2 lockwashers
AN919	SB350 for battery	Locking half: cable clamps, hardware & lockout spring	3 screws 3 nuts 3 lockwashers
AN919G1	SB350 for battery	Mounting half: hardware & lockout spring	2 screws 2 nuts 2 lockwashers
AN922G1	SB350 for truck or charger	Mounting half: hardware	2 screws 2 nuts 2 lockwashers

EC® Components



Power Contact Ass'y



Insulation Ass'y

Part #	Description	Wire Size
AN951	Insulation Ass'y for	#2 to 4/0
AN952	Power Contact Ass'y	#2
AN953	Power Contact Ass'y	2/0
AN954	Power Contact Ass'y	4/0
AN955	Auxiliary Contact Ass'y (not shown)	

EC® Connectors

Anderson Power Products® EC® connector is a steel-housed connector that is used on battery-operated equipment.

Complete Assemblies



LOCKING HALF

Part #	Wire Size
AN5809B	#2
AN5810B	2/0
AN5821B	4/0



CHARGING HALF

Part #	Wire Size
AN5801B	#2
AN5804B	2/0
AN5827B	4/0



MOUNTING HALF

Part #	Wire Size
AN5813BG	#2
AN5816B	2/0
AN5824B	4/0



Made in the USA

YC® Connectors

Anderson Power Products® YC® connector is a non-hermaphrodite vehicle and charger connector which is used on battery-operated equipment.



Complete Plug Assembly

Part #	Description	Wire Size
AN7204G3	Plug:	#2
AN7204G1	(aluminum)	1/0
AN7204	on battery	2/0
ANL7204G3	Plug:	#2
ANL7204G1	(polycarbonate)	1/0
ANL7204	on battery	2/0



Complete Receptacle Assembly

Part #	Description	Wire Size
AN7205G3	Receptacle	#2
AN7205G1	on	1/0
AN7205	truck or battery	2/0

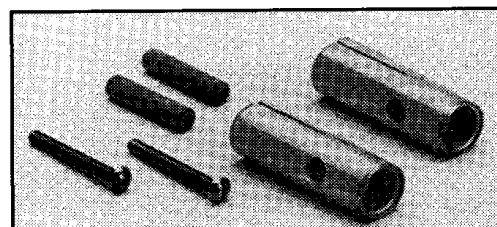
"Golf is a game where guts, stick-to-itiveness and blind devotion will always net you absolutely nothing but an ulcers."

Tommy Bolt,
Professional golfer

YC® Components

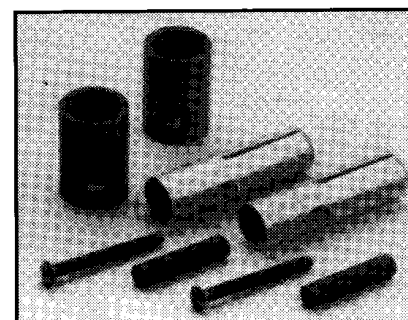
YC® Receptacle housings, contacts or plug housings are available as the individual items are needed.

Part #	Description	
AN956	Receptacle Housing	Standard
AN957		For Aux Contact
AN962	Plug Housing	Standard
AN963	(aluminum)	For Aux Contact
ANL962	Plug Housing	Standard
ANL963	(polycarbonate)	For Aux Contact



Receptacle Power Contact Assembly

Part	Description	#
AN960	Receptacle Power	#2
AN959	Contact Assembly	1/0
AN958	for:	2/0



Plug Power Contact Assembly

Part #	Description	Wire Size
AN966	Plug Power	#2
AN965	Contact Assembly	1/0
AN964	for:	2/0
	(aluminum)	
AN966G1	Plug Power	#2
AN965G1	Contact Assembly	1/0
AN961G1	for:	2/0
	(polycarbonate)	

PLEASE NOTE:

The Anderson Power Products catalog is over 144 pages long and therefore the items we have represented here are just a small sample of what is available. If you need something that is not listed here, call us for more information.

Battery Spill Response Kit

OSHA regulations state that all employers must provide the equipment necessary for cleaning up hazardous battery electrolyte spills. The Battery Spill Response Kit offered by Electrorep provides all the materials you need to safely contain and clean up battery electrolyte spills.


The easy to follow step-by-step instructions found within the kit make clean-up as easy as 1-2-3. Also important, these instructions explain how the Response Kit can be used to safely dispose of the hazardous electrolyte after clean-up.

The compact, lightweight design of the kit allows it to be used anywhere within your battery room. All of the kit's components are replaceable and, in most instances, can be shipped to you the day of order.

Make your battery room a safer place in which to work by ordering the Battery Spill Response Kit today!!!



Ships



Shipping weight:

20 lbs.

Container diameter:

11.25"

Container height:

14.5"

Color:

White

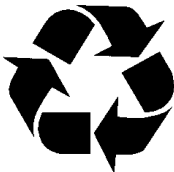
Container material:

High density polyethylene

Battery Spill Response Kit Includes:

- Five Nutra-Tubes: (length 16" x 3.5" diameter)
- Two Haz-Mat Wipes: (9.25" x 14.5")
- One pair non slip, cotton flocked lined gloves
- One pair safety goggles (fog-free design)
- One protective apron (acid resistant)
- One set of instructions & re-order information

Features	Benefits
Compact, lightweight design	Easy to move to spill site
Clear instructions	User-friendly information
Replaceable components	Low maintenance cost
Single pack Nutra-Tube design	No messy powders to clean-up
All in one convenience	Everything at your fingertips
Inspection date label	Keep track of usage and reorders

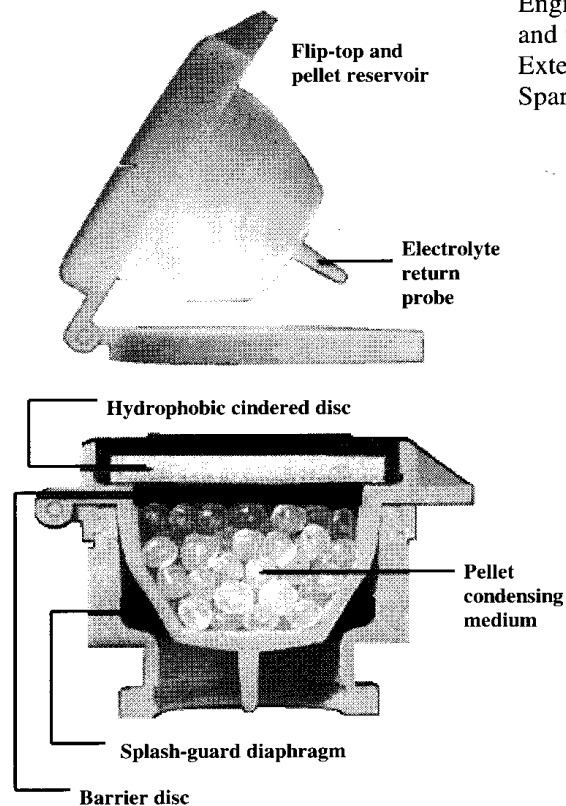


Environmentally
Responsive



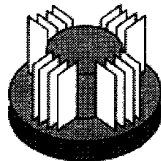
Vent Caps

Water-Miser Safety Vent



Standard Bayonet Vent Cap

Of course, we still carry the good 'ol bayonet vent cap. A design that hasn't changed since the invention of the battery. Our standard stock color is Red.



The most advanced industrial battery "flip-top" vent cap available today.

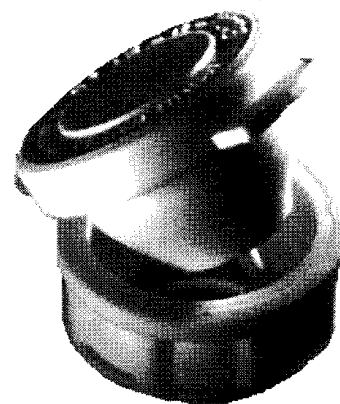
Engineered and designed to encompass all areas of concern — Ease of inspection and watering; Battery top moisture reduction; Electrolyte retention within cells; Extended Watering intervals; Fume-freer Environment, as well as Flame and/or Spark Retardant characteristics.

An injection molded "flip-top" vent cap addresses areas of safe and efficient maintenance during the routine servicing of industrial, semi-industrial, and golf cart batteries.

ADVANTAGES

- There is no need to remove vent caps— just FLIP open for inspection
- Tops of the batteries remain much DRIER
- Extended watering intervals
- The bayonet quarter-turn design ASSURES PROPER FIT for all U.S. manufactured batteries
- Available adapters will ensure a proper fit for all imported batteries such as Chloride, Fulman, Varta, etc.
- The handling of acid-laden vent caps is a thing of the past: just FLIP OPEN, FLIP SHUT
- FLIP-TOP labor savings, during servicing, verses the standard vent cap, will more than compensate for the costs within the first 6 months.

Econ-O-Flip



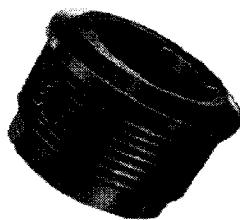
Same great quality and reliability as the Water-Miser Safety Vent, but without the Pellet condensing medium, Hydrophobic cindered disc, Splash-guard diaphragm or barrier disc.

Cell Cover Repair

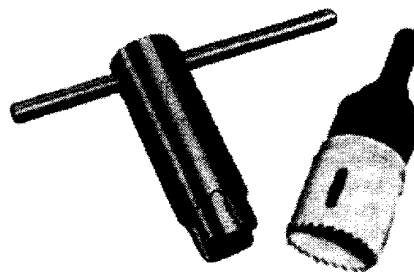
The major reason for cell cover replacement is breakage of the lip inside the vent hole. When this happens, the vent cap will not stay in place. Acid leaks out causing excessive corrosion, grounds, and loss of capacity.

Consider what is involved with conventional cell cover replacement - -

- 1 Intercell connector must be drilled off
- 2 Sealing compound must be removed
- 3 Remove old cell cover
- 4 Replace with new cover
- 5 Re-pour new sealing compound
- 6 Re-burn intercell connector



Vent Insert
Fits all standard vent holes



The Vent Insert and this tool kit is all that is required:

1. Drill out damaged vent hole
2. Screw in self-threading and sealing insert

Electrorep Energy Products, Inc., has a better way - - A self-threading Vent Hole Insert

That's It!

- 2 steps instead of 6!
- 80% reduction in time
- Reduced material cost
- Easy field or shop installations

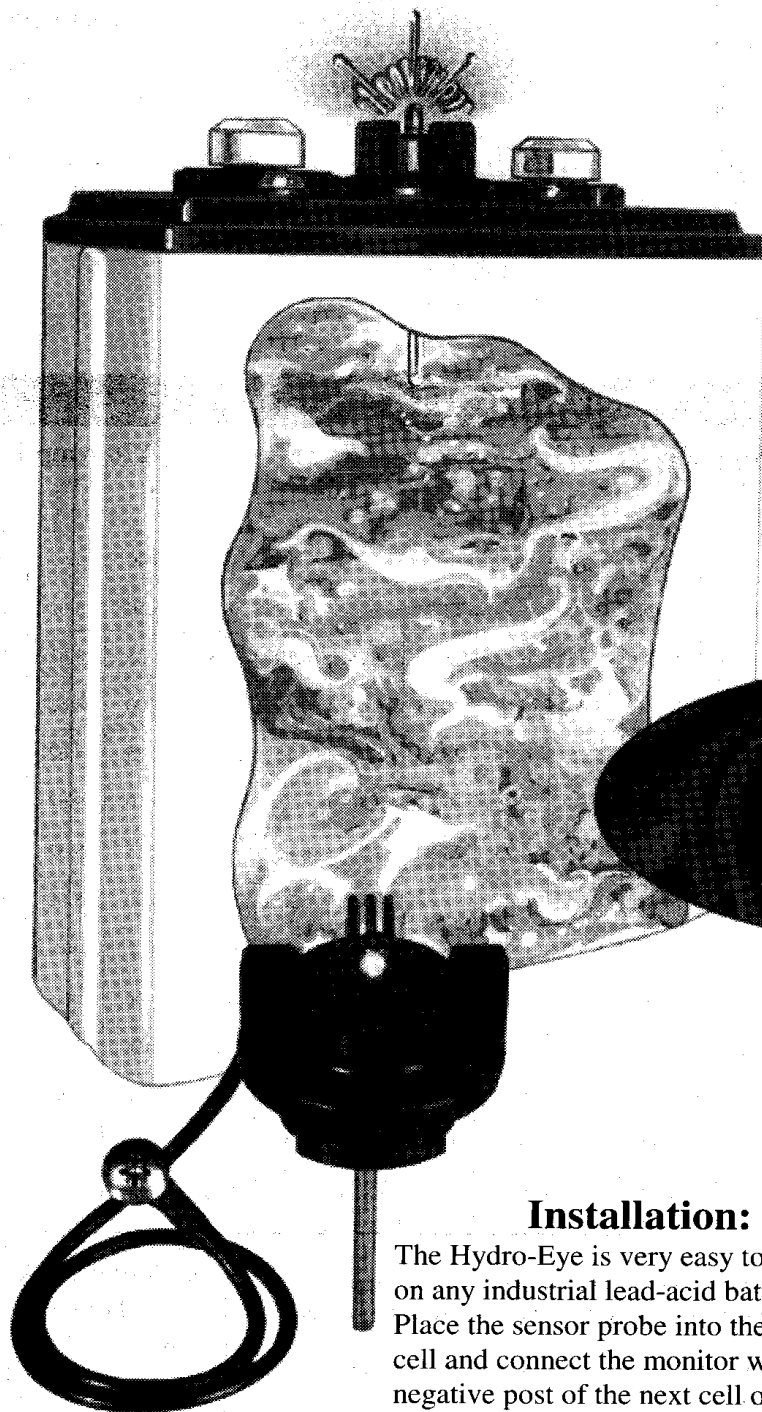
Hydro-Eye

Monitor Battery Cell Water Level at a Glance

What is the "Hydro-Eye"?

The Hydro-Eye (patent pending) is a specially designed vent cap that:

- Signals low battery acid level at a glance. If the Red LED is ON, the acid level is OK for safe battery operation. If the Red LED is OFF, add distilled water before operating battery to achieve long life and capacity.
- Can help protect battery warranty - reminds operator to add water.
- Reduces need to remove vent caps to check battery water level.
- Reduces time required for routine battery maintenance.
- Retrofits on any Industrial style flooded lead-acid battery cell.



Installation:

The Hydro-Eye is very easy to retrofit on any industrial lead-acid battery. Place the sensor probe into the center cell and connect the monitor wire to the negative post of the next cell over.



Made in the USA



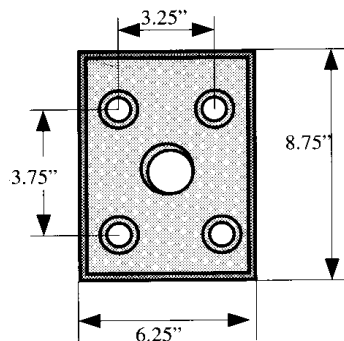
Replacement Battery Cells

GNB's industrial truck replacement battery cells are designed and manufactured to maximize your lift truck's performance. Choose from a broad range of sizes and amp hour requirements to meet your replacement demands. Whichever **GNB** replacement battery cell you choose, your lift truck will achieve longer, more productive running times. Quality, performance and reliability are standard with **GNB**.

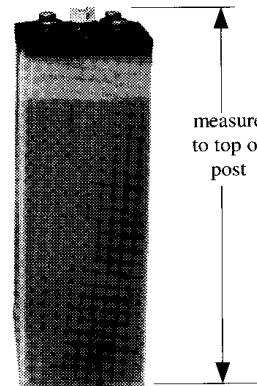
How To Measure Your Cell

If the Model Number is missing or not legible, give the dimensions as illustrated at right.

All cells are shipped wet, fully charged, and ready for installation.



Top View



How To Order Replacement Cells

To insure that you get the proper cell, give us the Model Number of your battery. It is stamped on an intercell connector near the battery's positive terminal.

# OF Plates	AMPERE HOUR PER POSITIVE PLATE																	
	all dimensions are in inches									all dimensions are in inches								
	60 Amp Hr.			85 & 95 A.H.			100 Amp Hr.			125 Amp Hr.			130 Amp Hr.			170 Amp Hr.		
	L.	W.	H.	L.	W.	H.	L.	W.	H.	L.	W.	H.	L.	W.	H.	L.	W.	H.
5	2.00	6.19	16.58	2.00	6.19	21.08	2.00	6.19	24.08	2.00	6.19	28.83	2.00	6.19	28.83	n/a	n/a	n/a
7	2.75	6.19	16.58	2.75	6.19	21.08	2.75	6.19	24.08	2.75	6.19	28.83	2.75	6.19	28.83	n/a	n/a	n/a
9	3.50	6.19	16.58	3.50	6.19	21.08	3.50	6.19	24.08	3.50	6.19	28.83	3.50	6.19	28.83	3.50	8.62	29.56
11	4.25	6.19	16.58	4.25	6.19	21.08	4.25	6.19	24.08	4.25	6.19	28.83	4.25	6.19	28.83	4.25	8.62	29.56
13	5.00	6.19	16.58	5.00	6.19	21.08	5.00	6.19	24.08	5.00	6.19	28.83	5.00	6.19	28.83	5.00	8.62	29.56
15	5.75	6.25	16.58	5.75	6.25	21.08	5.75	6.25	24.08	5.75	6.25	28.83	5.75	6.25	28.83	5.75	8.62	29.56
17	6.50	6.25	16.58	6.50	6.25	21.08	6.50	6.25	24.08	6.50	6.25	28.83	6.50	6.25	28.83	6.50	8.62	29.56
19	7.25	6.25	16.58	7.25	6.25	21.08	7.25	6.25	24.08	7.25	6.25	28.83	7.25	6.25	28.83	7.25	8.62	29.56
21	8.00	6.25	16.58	8.00	6.25	21.08	8.00	6.25	24.08	8.00	6.25	28.83	8.00	6.25	28.83	8.00	8.62	29.56
23	8.75	6.25	16.58	8.75	6.25	21.08	8.75	6.25	24.08	8.75	6.25	28.83	8.75	6.25	28.83	n/a	n/a	n/a
25	9.50	6.25	16.58	9.50	6.25	21.08	9.50	6.25	24.08	9.50	6.25	28.83	9.50	6.25	28.83	n/a	n/a	n/a
27	10.25	6.25	16.58	10.25	6.25	21.08	10.25	6.25	24.08	10.25	6.25	28.83	10.25	6.25	28.83	n/a	n/a	n/a
29	11.00	6.25	16.58	11.00	6.25	21.08	11.00	6.25	24.08	11.00	6.25	28.83	11.00	6.25	28.83	n/a	n/a	n/a
31	11.75	6.25	16.58	11.75	6.25	21.08	11.75	6.25	24.08	11.75	6.25	28.83	11.75	6.25	28.83	n/a	n/a	n/a
33	12.50	6.25	16.58	12.50	6.25	21.08	12.50	6.25	24.08	12.50	6.25	28.83	12.50	6.25	28.83	n/a	n/a	n/a

Calculating kW Hours

Example: 18-125-13 battery

$$\begin{aligned}
 & \text{* Flooded Battery Calculation} \\
 & = \# \text{ of Cells} \times 1.94 \times \text{Amp Hours} \\
 & \quad \quad \quad 1,000 \\
 & = 18 \times 1.94 \times 750 = 21.0 \text{ kWh} \\
 & \quad \quad \quad 1,000
 \end{aligned}$$

Battery electrolyte is a mixture of sulfuric acid and water. Concentration is 38% sulfuric acid and 62% water by weight, 1.285 sp. gr.

Specific gravity is weight ratio of acid solution to equal volume of water.

1 gal. 38% acid = 10.69 lbs. @ 77 F.
1 gal. water = 8.32 lbs. @ 77 F.

$$\frac{10.69}{8.32} = 1.285$$

Sp. Gr. is measured with a hydrometer

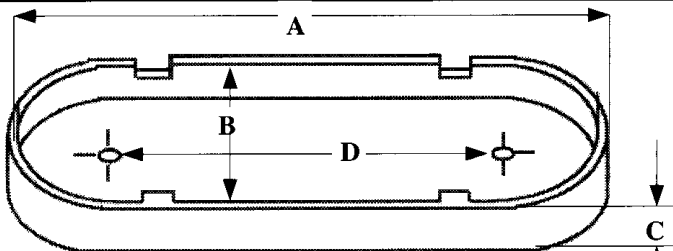
Calculating Amp Hours

Example: 18-125-13

* 36 Volt Battery

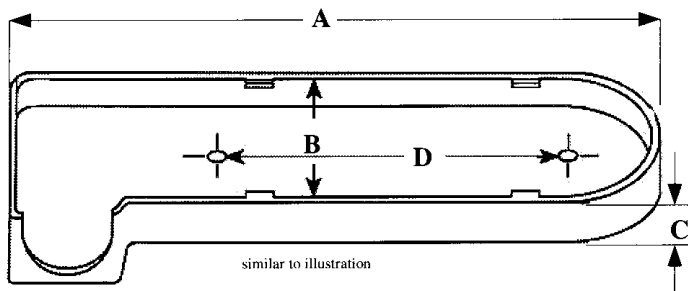
$$\begin{aligned}
 & \text{Amp Hrs.} = 13 \text{ plates} - 1 \\
 & = 12 \text{ plates} \div 2 \\
 & = 6 \text{ positive plates} \\
 & = 6 \times 125 \text{ (amps per plate)} \\
 & = 750 \text{ Amp Hour Battery}
 \end{aligned}$$

Intercell Connector Shrouds



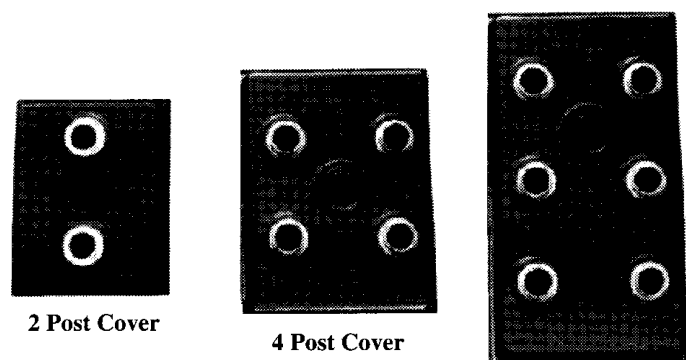
A (length)	B (width)	C (height)	D (c t c)
3 3/4"	1 3/8"	21/32"	2 1/4"
4 27/64"	1 3/8"	21/32"	3 1/32"
5 7/64"	1 3/8"	21/32"	3 11/16"
5 31/32"	1 3/8"	41/64"	4 9/16"
6 17/32"	1 3/8"	5/8"	5 5/32"
7 3/16"	1 25/64"	5/8"	5 51/64"
4 19/32"	1 3/8"	5/8"	3 13/64"
11 13/64"	1 25/64"	41/64"	9 47/64"
11 53/64"	1 25/64"	41/64"	10 23/64"
12 13/64"	1 25/64"	41/64"	10 23/32"
13 15/64"	1 25/64"	41/64"	11 3/4"
14 7/32"	1 25/64"	41/64"	12 3/4"
14 7/8"	1 25/64"	41/64"	13 25/64"
20 3/8"	1 25/64"	41/64"	18 5/32"
21 3/4"	1 25/64"	41/64"	19 1/2"

Terminal Connector Shrouds



A (length)	B (width)	C (height)	D (c t c)
<i>1 Hole Straight Lead-head cover</i>			
2 1/8"	1 11/16"	1 1/4"	N/A
<i>1 Hole Universal 90 degree Lead-head cover</i>			
2 11/16"	1 11/16"	1 1/4"	N/A
<i>2 Hole Universal 90 degree Lead-head cover</i>			
5 7/16"	1 11/16"	1 1/4"	3"
<i>2 Hole Universal 90 degree Lead-head cover</i>			
6 3/8"	1 11/16"	1 1/4"	3 3/4"

Battery Cell Covers

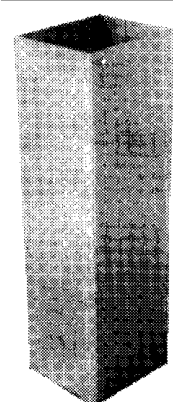


Covers: Hard Rubber = Compound Seal
Plastic = Heat Seal

Narrow Plate Covers 45C, 65C, 85C, 95C, 100C, 125C, 130C, (as shown above)	Wide Plate Covers 170C (not illustrated)
2 Post Covers Number of Plates 7, 9, 11, 13, 15	2 Post Covers Number of Plates 7, 9, 11, 13, 15
4 Post Covers Number of Plates 17, 19, 21, 23, 25, 27	4 Post Covers Number of Plates 17, 19, 21, 23, 25, 27
6 Post Covers Number of Plates 29, 31, 33	

Cell Cover Dimensions (does not include Wide Plate 170 sizes)					
# of Plates	Length (in)	Width (in)	# of Plates	Length (in)	Width (in)
5	2.01	6.19	19	7.25	6.25
7	2.75	6.19	21	8.00	6.25
9	3.50	6.19	23	8.75	6.25
11	4.25	6.19	25	9.50	6.25
13	5.00	6.19	27	10.25	6.25
15	5.75	6.25	29	11.00	6.25
17	6.50	6.25	31	11.75	6.25
			33	12.50	6.25

Battery Jars



We carry quality GNB brand battery jars in all the various sizes that you may require.

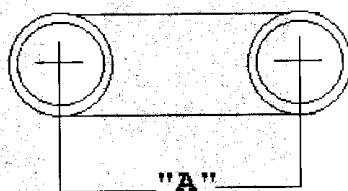
Jar Size	Height
65C	15.86"
85C	20.61"
95C	20.61"
100C	23.49"
125C	28.11"
130C	28.11"
170C	28.31"



Remember, Electrorep Energy Products carries a large selection of GNB replacement battery cells that will fit most brands of batteries. Let us upgrade you to the quality and reliability of GNB replacement battery cells.

Intercell Connectors

All Measurements Are Center To Center



When ordering intercell connectors, use part number and give dimensions between centers. Illustration at left shows this as "A" dimension

Part # A= (in inches)

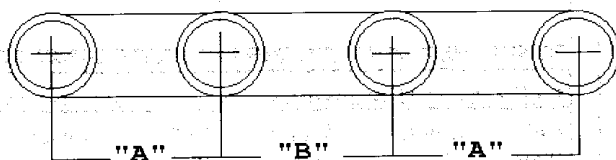
IC01	2 11/16
IC03	2 13/16
IC04	2 7/8
IC05	2 15/16
IC06	3.00
IC08	3 1/8
IC10	3 1/4
IC12	3 3/8
IC14	3 1/2
IC16	3 5/8
IC18	3 3/4
IC20	3 7/8
IC22	4.00
IC24	4 1/8
IC26	4 1/4

Part # A= (in inches)

IC28	4 3/8
IC30	4 1/2
IC32	4 5/8
IC34	4 3/4
IC36	4 7/8
IC38	5.00
IC40	5 1/8
IC42	5 1/4
IC44	5 3/8
IC46	5 1/2
IC48	5 5/8
IC50	5 3/4
IC52	5 7/8
IC54	6.00
IC56	6 1/8

Part # A= (in inches)

IC58	6 1/4
IC60	6 3/8
IC62	6 1/2
IC64	6 5/8
IC66	6 3/4
IC68	6 7/8
IC70	7.00
IC72	7 1/8
IC74	7 1/4
IC76	7 3/8
IC78	7 1/2
IC80	7 5/8
IC82	7 3/4
IC84	7 7/8



4-Hole Connector: "A" dimension will always be 3" or 3 3/4" center to center... Only "B" dimension is variable.

Part # A= B=

IC300-01	3.00"	2 11/16"
IC300-02	3.00"	2 7/8"
IC300-03	3.00"	3.00"
IC300-04	3.00"	3 1/8"
IC300-05	3.00"	3 1/4"
IC300-06	3.00"	3 3/8"
IC300-07	3.00"	3 1/2"
IC300-08	3.00"	3 5/8"
IC300-09	3.00"	3 3/4"
IC300-10	3.00"	3 7/8"
IC300-11	3.00"	4.00"
IC300-12	3.00"	4 1/8"
IC300-13	3.00"	4 1/4"
IC300-14	3.00"	4 3/8"
IC300-15	3.00"	4 1/2"
IC300-16	3.00"	4 5/8"
IC300-17	3.00"	4 3/4"

Part # A= B=

IC300-18	3.00"	4 7/8"
IC300-19	3.00"	5.00"
IC300-20	3.00"	5 1/8"
IC300-21	3.00"	5 1/4"
IC300-22	3.00"	5 3/8"
IC300-23	3.00"	5 1/2"
IC300-24	3.00"	5 5/8"
IC300-25	3.00"	5 3/4"
IC300-26	3.00"	5 7/8"
IC300-27	3.00"	6.00"
IC300-28	3.00"	6 1/8"
IC300-29	3.00"	6 1/4"
IC300-30	3.00"	6 3/8"
IC300-31	3.00"	6 1/2"
IC300-32	3.00"	6 5/8"
IC300-33	3.00"	6 3/4"

Part # A= B=

IC300-34	3.00"	6 7/8"
IC300-35	3.00"	7.00"
IC300-36	3.00"	7 1/8"
IC300-37	3.00"	7 1/4"
IC300-38	3.00"	7 3/8"
IC300-39	3.00"	7 1/2"
IC300-40	3.00"	7 5/8"

NOTE:

For four-hole connectors where the "A" dimension is 3.75" center to center, change the part number "IC300" to "IC375" and keep the rest of the part number the same.

Battery Cables

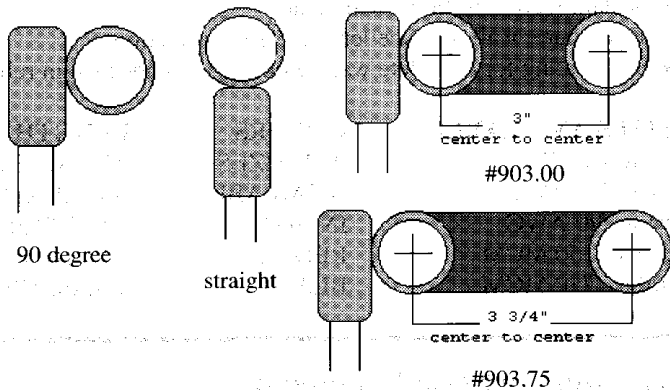
When you need high-quality battery cables, but you don't need the high price, remember that Electrorep is your **ONE STOP** cable supply source.

Our cables are extra flexible, stranded, with neoprene jackets- -resistant to oils, acids, tearing, etc. Available in red or black.

Because we make our own charger and battery cables, we are able to control our costs and quality and pass the saving on to you! Also, we have a larger inventory and selection which allows us to (in most cases) ship your order the same day we receive it.

HOW TO ORDER:

Choose the correct leadhead terminal that is pictured below. They are supplied with 5 feet of cable. After you have determined the correct leadhead, refer to the chart below for the proper cable size for your application. Be sure to specify your choice of red or black.



AMP HOUR	SIZE	COLOR
Up to 170 Ah	#4 Awg	R or B
Up to 480 Ah	#2 Awg	R or B
Up to 600 Ah	#1 Awg	R or B
Up to 750 Ah	1/0 Awg	R or B
Up to 940 Ah	2/0 Awg	R or B
Up to 1150 Ah	3/0 Awg	R or B
Over 1150 Ah	4/0 Awg	R or B

Example:

If you need to order a red 2/0 cable and the leadhead is to be a 2-hole 90-degree style with the holes spaced 3 3/4" apart, then order as follows:

2/0 R 903.75

↑ ↑ ↑

cable size color leadhead style

Call for Quantity Discounts

Bulk Cable

Our high-quality battery cables are available in bulk quantity in any length that you need. We stock a variety of sizes ranging from #4 to 4/0 gauge.

* Red or Black *
Call for Prices !

Gauge Sizing Chart

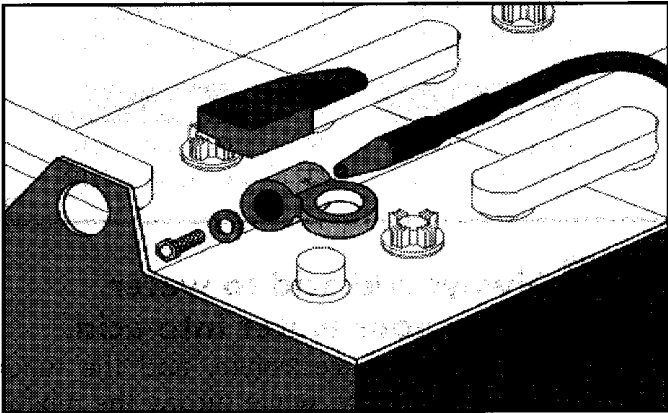
The circles to the right give appropriate size of copper conductor for the gauge. This can be of assistance when ordering cable. Measure the bare wire and not the insulation. Diameters do vary depending upon the stranding.



"If you watch a game, it's fun. If you play at it, it's recreation. If you work at it, it's golf."

Bob Hope
Comedian

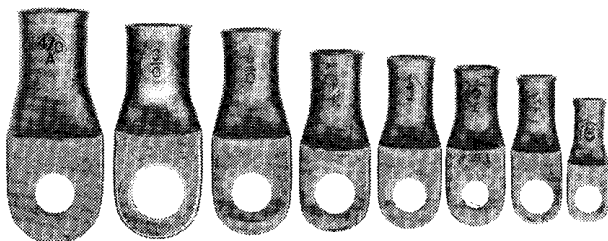
REPLACEMENT BOLT-ON CABLES



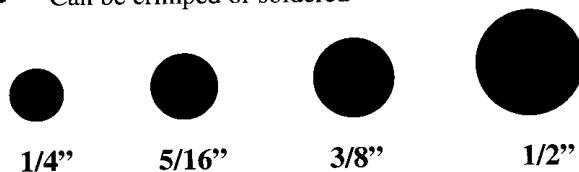
Replace your own industrial battery cables with the cone and thimble bolt-on cables. Provided complete and ready for installation. Once installed, cables can be replaced in minutes by anyone.

Battery Cable Accessories

Copper Coated Lugs



- Made of 100% copper & tin plated
- Extra thick copper walls make for perfect ground
- Pads are twice the industry standard
- Exceed SAE conductivity standards
- Match perfectly with our crimping tool
- Can be crimped or soldered



1/4"

5/16"

3/8"

1/2"

6 AWG

CCL-6-14HD 1/4"
CCL-6-56HD 5/16"
CCL-6-38HD 3/8"

4 AWG

CCL-4-14HD
CCL-4-56HD
CCL-4-38HD

2 AWG

CCL-2-14HD 1/4"
CCL-2-56HD 5/16"
CCL-2-38HD 3/8"
CCL-2-12HD 1/2"

1 AWG

CCL-1-56HD
CCL-1-38HD
CCL-1-12HD

1/0 AWG

CCL-1/0-14HD 1/4"
CCL-1/0-56HD 5/16"
CCL-1/0-38HD 3/8"
CCL-1/0-12HD 1/2"

2/0 AWG

CCL-2/0-14HD
CCL-2/0-56HD
CCL-2/0-38HD
CCL-2/0-12HD

3/0 AWG

CCL-3/0-38HD 3/8"
CCL-3/0-12HD 1/2"

4/0 AWG

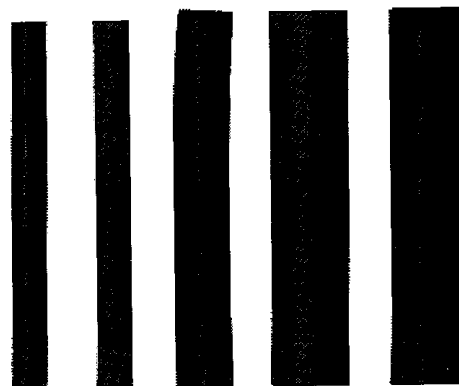
CCL-4/0-38HD
CCL-4/0-12HD



**Always add acid to water.
Never pour water into acid.**

When mixing electrolyte, add the sulfuric acid to the water slowly, while stirring the mixture. Stirring prevents the acid from settling to the bottom. All containers used to mix or store acid must be heat and acid resistant. Using sulfuric acid above 1.400 specific gravity is not recommended.

EXTRA HEAVY-DUTY HEAT SHRINKABLE TUBING



Our Extra Heavy-Duty Shrinkable tubing is designed for battery cables. Unique, dual-wall construction is thermally stabilized and contains modified polyolefin. Creates more positive splice sealing.

PERFORMANCE ADVANTAGES

- High expansion ratio of 3:1 used for applications up to 2000v
- Rugged and reliable: UL listed to 600v
- Excellent chemical and corrosion resistant
- Adhesive-lined inner wall
- Flame retardant jacket: all tubing UL flame-tested
- Sealant melts and flows with heat
- Thick outer wall for excellent abrasion protection
- Self-sealing for complete waterproofing: provides strain relief

SIZES AVAILABLE

#8 to #4 AWG
#4 to 2/0 AWG
#1 to 3/0 AWG
2/0 to .250 MCM
4/0 to .750 MCM

COLORS

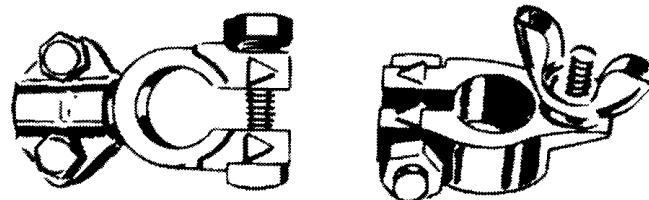
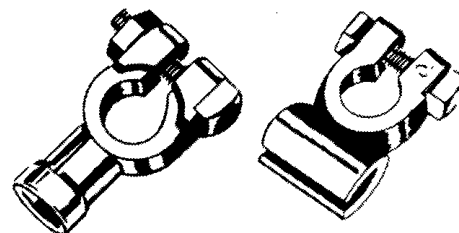
ALL SIZES
AVAILABLE
IN EITHER
RED or
BLACK

LENGTH

ALL SIZES
AVAILABLE
IN EITHER
6 INCH or
4 ft. PIECES

Automotive Style Leadhead

We have many styles available in a wide range of sizes. From bolt on, to crimp on, to solder on, we can meet your needs.
CALL US WITH YOUR SPECIFIC NEEDS & WE'LL DO THE REST!





Battery Cleaning Products



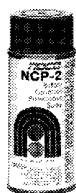
NOCO's commitment to quality and customer satisfaction began back in 1914 with their founder Joseph H. Nook and continues today with his sons and grandsons. These high standards led NOCO to develop the world-famous NCP-2 Battery Corrosion Preventative System (over 500 million applications to date) and the most complete battery accessory program in the industry, meeting every battery maintenance need. We at Electrorep Energy Products are proud of our long-standing association with the NOCO Company and we continue to sell their products with full confidence of their quality and reliability.

NOCO NCP-2 BATTERY CORROSION PREVENTATIVE COMPOUND

The NOCO NCP-2 Battery Corrosion Preventive treatment seals, protects, and preserves battery terminal connectors from corrosion to extend battery life and reduce maintenance costs. NCP-2 compound resists corrosion and prevents acid leakage to ground, which eliminates voltage drop, and discharging. The compound forms a resilient gel-like mass to make a permanent, pliable, pressure-sensitive bond.



A-202



A-101

Spray battery cables, posts, hold-downs, and carriers to form an impregnable barrier to corrosion-causing acid fumes. Easy and safe to use, contains no fluorocarbons.

CORROSION PREVENTATIVE

Part #	Description	Net Contents
A-202	Preventative	12.25 oz.
A-101	Preventative	5.00 oz.

NCP-2 BRUSH-ON

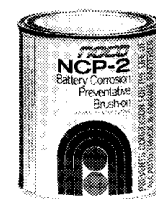
Non flammable high-viscosity Brush-On Preventative compound makes all surfaces impregnable to corrosion-causing acid fumes. Easy to brush on battery cables, posts, hold-downs, carriers.



CB-104



B-203



C-304



CB-304

BRUSH-ON CORROSION PREVENTATIVE

Part #	Description	Net Contents
CB-104	NCP-2 Brush-On (brush in cap)	4 oz.
B-203	NCP-2 Brush-On	16 oz.
C-304	NCP-2 Brush-On (brush in cap)	32 oz.
CB-304	NCP-2 Brush-On	32 oz.



E-403

NOCO BATTERY CLEANER

Instantly neutralizes acid, and dissolves and removes corrosion from terminals, cables, hold-downs, and battery boxes.

AEROSOL BATTERY CLEANER

Part #	Description	Net Contents
E-403	Battery Cleaner Spray	14 oz.

NOCO BATTERY



- Non aerosol, environmentally safe
- Instantly neutralizes acid
- Dissolves and removes corrosion
- Plastic containers only

NON-AEROSOL BATTERY BATH

Part #	Description	Contents
B-403	Battery Bath	16 oz.
BS-403	Battery Bath with Sprayer	16 oz.
S-403	Sprayer Only	N/A
G-403	Battery Bath	1 gallon



E-404

NOCO H₂SO₄ BATTERY CLEANER & ACID DETECTOR

- Instantly neutralizes acid
- Dissolves and removes corrosion from terminals, cables, hold-downs, and boxes
- Acid detector formula is a cleaning YELLOW foam that turns PINK upon contact with acid
- A single can will last for many cleaning jobs

BATTERY CLEANER & ACID DETECTOR

Part #	Description	Net Contents
E-404	Battery Cleaner Spray & Acid Detector	14 oz.

NOCO BATTERY PAINT



E-1009



E-1011



E-1010

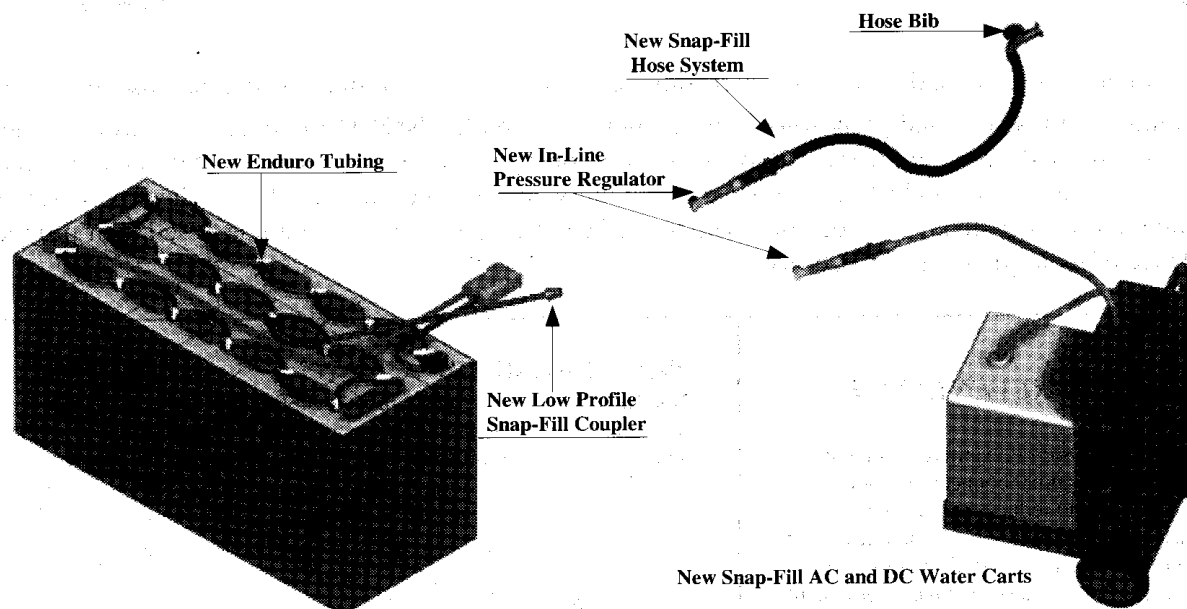
- Reconditioner restores original luster
- Seals surfaces
- Resists acids and alkalis to prevent corrosion of trays and battery boxes
- Excellent touch-up for lift-trucks, industrial batteries, and steel cases
- Available in 3 colors with Fanspray

RECONDITIONER PAINT

Part #	Description	Contents
E-1009	Black Paint	12 oz.
E-1010	Yellow Paint	12 oz.
E-1011	Orange Paint	12 oz.



Snap - Fill Watering Systems



New Feature: Patented Enduro Tubing

- New Benefits:**
- Easier to handle during installation
 - More resistant to battery handling damage
 - Guaranteed for the life of the system

New Feature: New Snap-Fill Quick Coupler

- New Benefits:**
- Snap on - snap off filling eliminates manual valves
 - No waiting for drain back means fastest possible filling
 - Low profile male coupler on battery resists handling damage

Ships

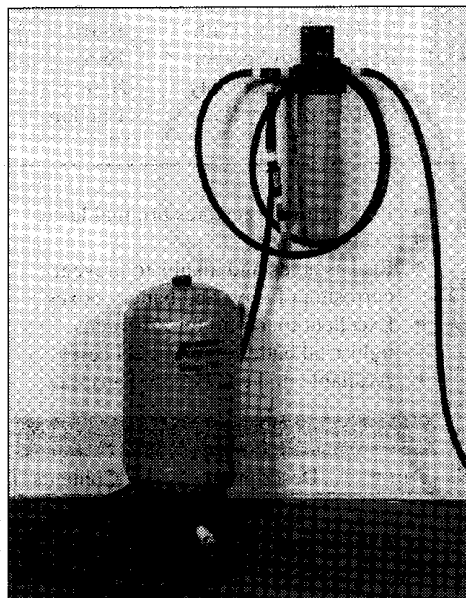


New Feature: New Snap-Fill Hose System

- New Benefits:**
- Simple Installation — just screw onto hose bib
 - New hand-held in-line pressure regulator, no wall mount
 - High flow rate allows 24 cell battery to be filled at once
 - System is very practical for small users



Made in the USA



Deionized Water Supply by Flow-Rite Controls

Maximize battery life by re-watering with the Flow-Rite Controls Deionizer. Dissolved minerals that are present in tap water reduce battery performance and shorten battery life. These minerals can be economically removed using this mixed bed deionizer which uses an ion exchange cartridge filled with non toxic synthetic resin. When exhausted, these cartridges may be simply and safely thrown away or they may be recycled. The system includes a water quality light which gives a continuous indication of whether the cartridge is functioning properly or if it needs replacement. It is green when working correctly and red when exhausted.

Direct Fill Water Supply Systems

The Deionized Water Supply system for single-point watering systems consists of a housing, replaceable cartridge, water quality light, bracket with a built-in hose bracket, pressure tank, Go/Wait pressure gauge, and all the necessary hoses. This pressure tank is needed so that the SPW system's needed pressure and flowrate are maintained. A Go/Wait pressure gauge is included which has red and green areas showing the operator when to wait and when it is safe to refill.



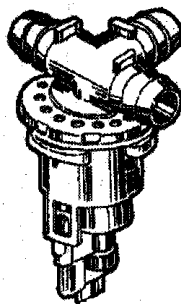
Single Point Watering Systems



Superior Reliability

The Flow-Rite Single Point Watering System is the only system available that utilizes a no-moving-part fluidic level sensor design

- All valves are tested 100% before shipment
- Valves are acid and temperature resistant
- No internal moving plungers or floats to stick
- No internal metal springs or threads to break
- 5-Year limited warranty on all refill kits



Superior Reliability

- Rapid Battery Refill:** Battery cells are normally topped in less than 30 seconds
- Accurate Cell Filling:** Battery cells are consistently filled to the same level, even when the battery is not sitting perfectly level
- Simple Installation:** Compact valves incorporate a swivel tubing connector which makes it simple to install on any battery
- Low Valve Profile:** Height is only slightly greater than a standard cell vent cap
- Simple Operation:** System operates on pressurized water from either a regulated line or from our own portable water cart.

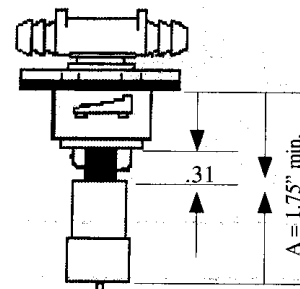
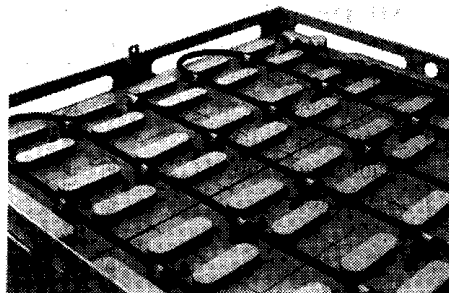


Low Profile Design: All system components are located below battery intercell connectors to avoid handling damage.

Proprietary Tubing

Superior Durability: Flow-Rite's proprietary tubing is virtually impervious to the effects of battery acid

Easy Cell Inspection: Routine cell inspection and specific gravity checks are easily done through the cell inspection plugs, which are included with each kit.

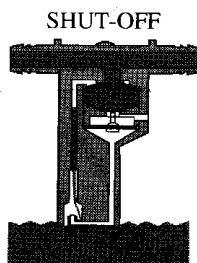
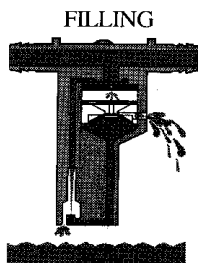


Dimension A: 1.75" w/o spacer.
Add .31" for each spacer.

Valve Operation

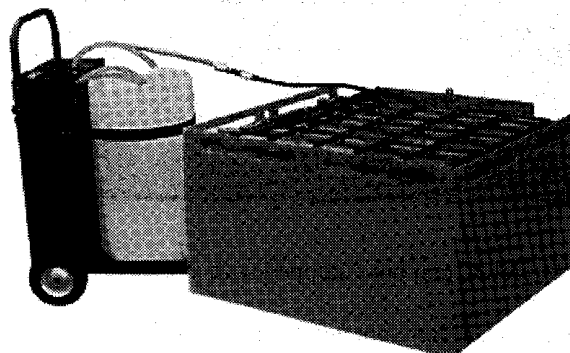
The refill valve is illustrated in the operating and closed position. The fluidic level sensor operates using power from the flowing water. When level is below the end of the sensor, the valve is held in an open condition by a pressure signal from the sensor. When electrolyte level reaches the end of the sensor, the pressure signal drops instantly to zero and the valve closes drip tight. The water system pressure holds the valve closed until pressure is relieved. All motion is limited to a small flexure of plastic elastomer members.

valve is protected under U.S. and foreign patents.



Battery Refill Components and Options

Purchaser must use a Factory approved Flow-Rite Water Supply System with the Flow-Rite Single Point Watering Systems. These Water Supply Systems are *factory preset* to the proper flow and pressure rates required to operate the Flow-Rite Single Point Watering Systems. The Wall Mount Water Supply is a stationary system that plumbs into a 3/4" water line. If you prefer to have a portable water supply source, we offer a portable water cart available in either AC or DC version, with 18-gallon water storage tank.

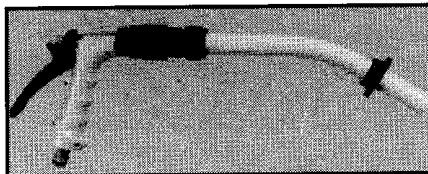


Philadelphia Scientific

Battery Watering Gun Has Automatic Shutoff

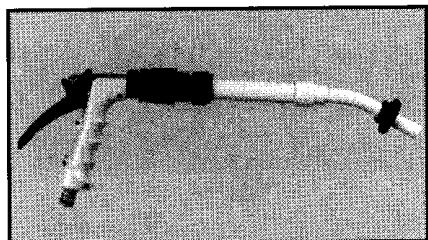
Automatic - The Watering Gun stops filling the moment acid reaches the correct level in the cell. The shutoff is so positive you can feel it. The Watering Gun is compact, lightweight and easy to operate. The flow rate is about 2 gallons a minute. You can't fill this fast with manual methods and still get accurate levels. Yet the flow is gentle enough to fill a coffee mug. A built-in pressure regulator automatically reduces high water pressure, so no adjustments are needed - - ever.

MADE IN THE USA



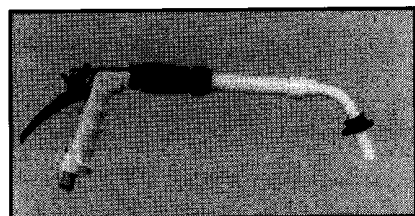
MODEL B

- 7/8" nozzle diameter
- fits most industrial, stationary & golf cart batteries
- automatic shutoff & regulator



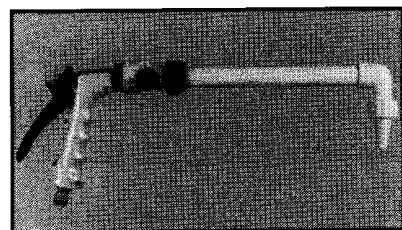
MODEL G

- narrow 5/8" nozzle
- made specially for small vent openings (truck, bus, diesel)
- automatic shutoff & regulator



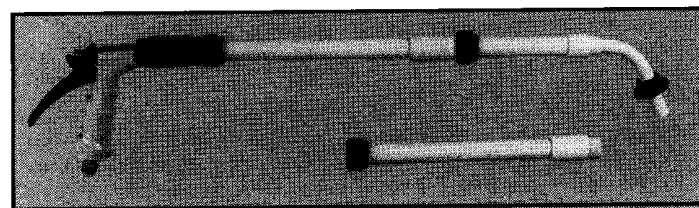
MODEL C

- narrow 5/8" nozzle
- steeper bend in the nozzle for application where space is limited
- automatic shutoff & regulator



MODEL S

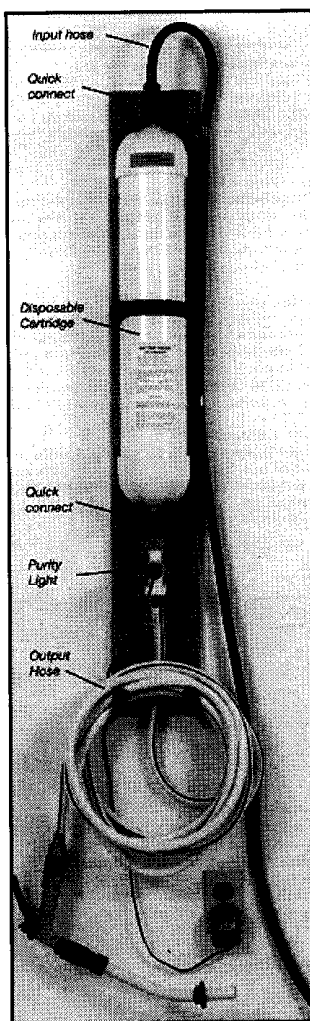
- special gun developed for watering transparent type stationary batteries only. Gun operates outside the cell and **does not have automatic shutoff**



MODEL R

- same as the Model C gun but equipped with a removable extension.
- total gun length is 27" long but any length extension can be ordered

PS 300 Deionizer System

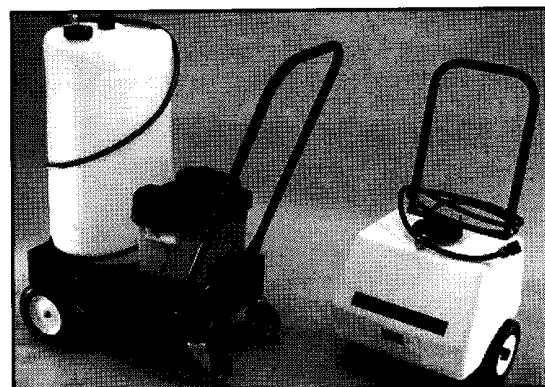


Battery Water Deionizer

makes up to 600 gallons of purified water

- **Professional Quality**
not just a filter, but a real ion-exchange medium which electrostatically removes **dissolved** impurities, ideal for batteries
- **Giant Size**
The cartridge is over 2 feet long and rated for 600 gallons of pure water
- **Purity Light**
This "magic eye" monitors the conductivity of the output water continuously and signals when it is time to change the cartridge
- **Pressurized System**
The PS300 operates at full line pressure
- **Easy Installation**
Setting up wall mounted system takes 3 simple steps
- **Easy Filter Replacement**
Snapping in a new cartridge takes seconds and needs no tools.

Battery Watering Carts



MODEL 4B (15 gallons)

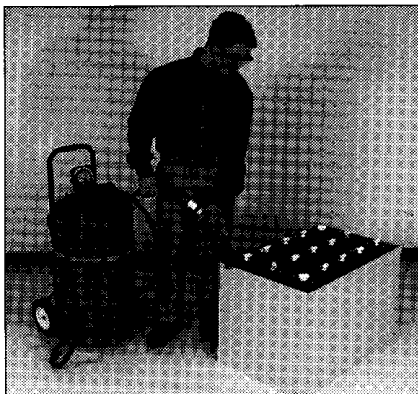
MODEL 2A (8 gallons)

Two Cordless Water Supply Carts for Use With Battery Watering Guns

They bring the accuracy and reliability of the watering guns to locations without suitable water pressure and purity. No need to use sloppy manual filling methods. No need to drape long hoses across the floor. Like a mobil faucet, the carts supply water where you want it, when you want it. Fill from the deionizer and you are ready to go!

Philadelphia Scientific

"I Can Fill This Battery In 15 Seconds!"

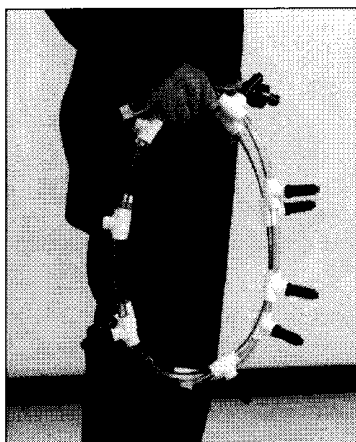
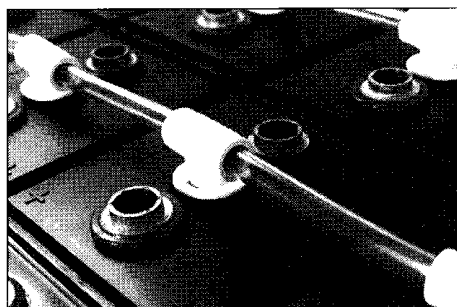


With the **Philadelphia Scientific** water injectors, you can fill an average battery with precision level control in about 15 seconds. Yet the system is gentle. The secret is *parallel filling* made possible by the unique low-friction tubing and pressurized water supply. Speed not only reduces labor costs, it enhances system confidence because it allows the operator to be present during the entire filling process.

Standard Features

EXCLUSIVE, NO-CLAMP TUBING:

The tubing goes straight through the Injectors, sealing with a unique twin O-ring arrangement. The higher the pressure, the better the seal.



SEMI-ASSEMBLED:

Water Injectors are semi-assembled on their tubing. There are no loose parts to get lost and installation on the battery is quick and easy.

COMPACT:

Water Injectors have a very low profile which allows them to fit on almost any battery. This feature also protects the Injectors from damage.

Injectors easily snap out for cell inspection. Each Injector is made from tough, heavy-duty plastics designed to stand up to impacts. Injectors are heat resistant and feature no-freeze tubing as the surplus water drains into the cell after filling.

WATER SUPPLY SYSTEMS

Water Injectors fill quickly so they need a lot of water at the correct pressure. Each Injector can take up to 1/2 gallon per minute. If the flow is inadequate, the injectors will not shut off. A simple gravity-fill tank or a standard hose from a faucet will not work. You must use one of our matching Water Supply systems described below.

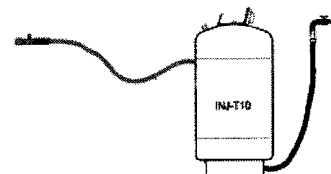
1. INJ-DF

Direct fill hose assembly



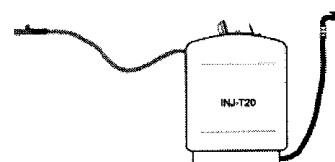
2. INJ-T10

Stationary 10-gallon bladder tank



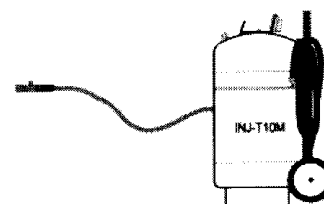
3. INJ-T20

Stationary 20-gallon bladder tank



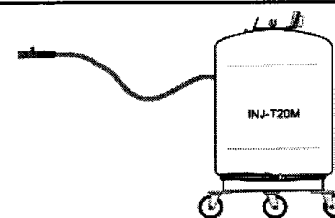
4. INJ-T10M

Mobil 10-gallon bladder tank



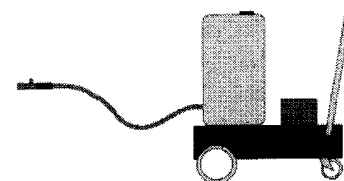
5. INJ-20M

Mobil 20-gallon bladder tank



6. INJ-WCAC

A/C powered cart with 15 gallon tank



Made in the USA

WATERMASTER®

WATERGENIUS

Multi-Shift Operations are usually identified as operations with a minimum of two batteries per vehicle where the battery is removed from the vehicle to the charger after a full 80% discharge and returned to the vehicle after a complete recharge.

Simply plug in the electrical plug and the watering quick-connect and turn the charger on. **THERE IS NOTHING ELSE TO BE DONE!** The Watergenius electronic watering controller determines the correct watering time individually for each battery, no matter when it was placed on charge. The need to have battery attendants on duty specifically to water batteries is **eliminated!**



The Standard WaterGenius Mounts On The Side Of The Charger. All Plastic Parts Are Used When Deionized Water Is Used.

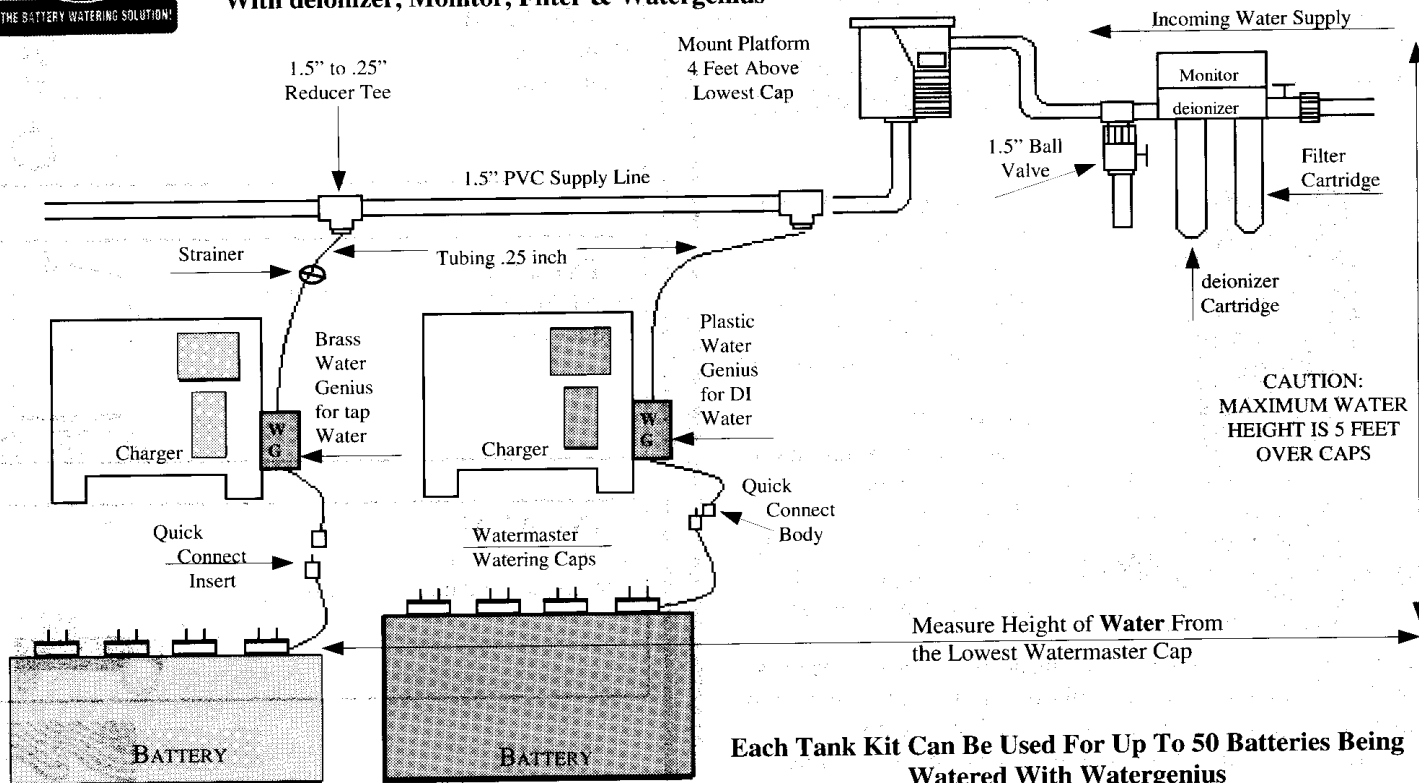
- 💧 **Electronically Controlled Battery Watering**
- 💧 **Reduces Battery Maintenance Cost**
- 💧 **Enhances Battery Life and Safety**
- 💧 **Proven Technology (millions in use)**
- 💧 **Gravity Feed (2psi), No Pumps or Carts**

Watergenius is DC powered by the battery on charge, it monitors the battery and at the correct time opens the water supply valve to that particular battery for a short period, and then closes the valve. This allows sufficient water to enter all the cells to fill up the electrolyte to the required level. The Watermaster Cap stops the water flow to the cell when the correct level is reached. The batteries are filled up after every charge.

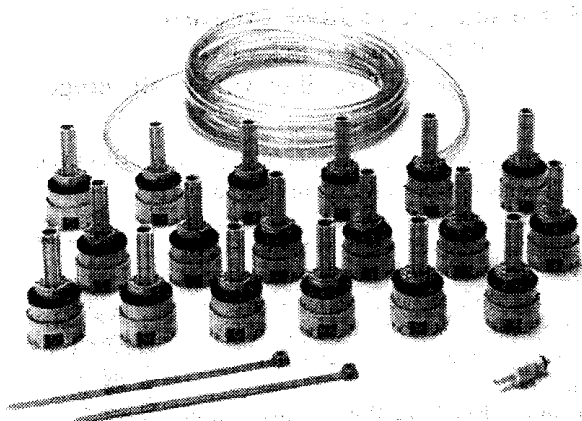


Pictured Below Is The Deluxe Multiple Battery Watering Kit #2

With deionizer, Monitor, Filter & Watergenius



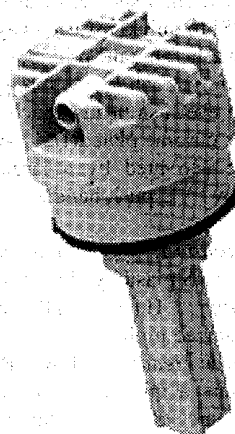
WATERMASTER®



Battery Set-Up Kits Are Available For All Batteries And Voltages.

THE NETWORK WATERING SYSTEM

The Watermaster Single Point Battery Watering Vent Cap is the heart of the Network Watering System. The Cap consists of a small bowl above the cell and a Level Sensing Tube (LST) which protrudes beneath the bowl into the battery cell. The Watermaster Cap has absolutely no moving part stopping water flow into the cell. The Cap uses only the natural reliable force of gravity to direct water into the cell, the universal tendency of liquids to seek one level, to compressing air in the Level Sensing Tube, and the surface tension of water to cause shut off. The electrolyte level is determined by the length of the Level Sensing Tube.



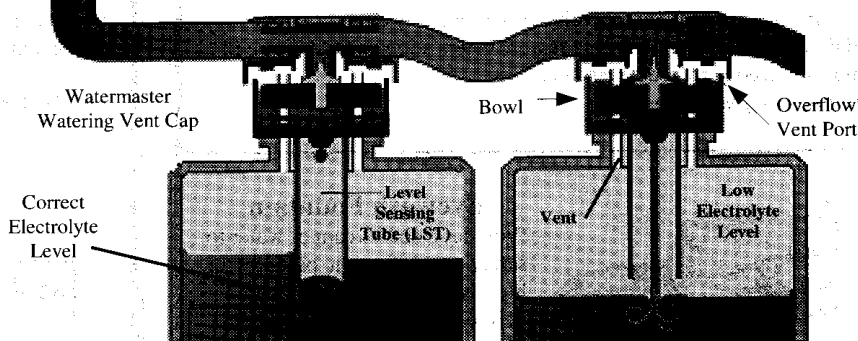
HOW DOES IT WORK ?

The millions of Watermaster Caps in operation have proven the product's reliability. The design is patented worldwide. Kits are available for all size batteries from small Golf-Cart size through large Mining, and EV batteries. The Caps work reliably in Freezer applications.

Battery Water Tank Gravity Feed To Battery Cells

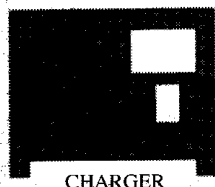
Float Automatically Seals Off Flow To Each Cell

Valve Open. Each Cell Will Continue To Accept Battery Water Until The Electrolyte Level Seals The Bottom Of The Level Sensing Tube (LST)



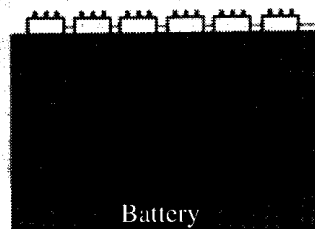
Air Pressure In The LST Stops Water Flow Into The Cell Without Any Moving Parts.

Portable Water Station

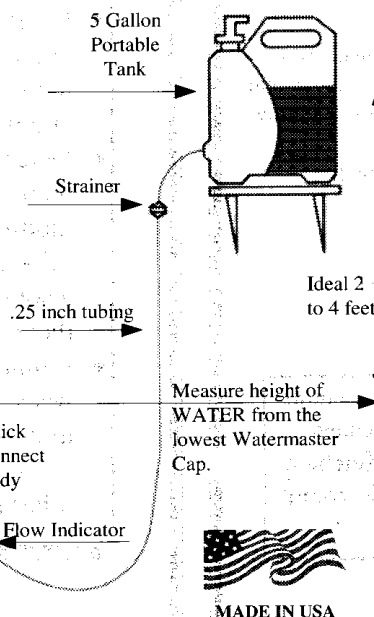


CHARGER

WATERMASTER
watering caps



Battery



WATER DELIVERY

To deliver the correct electrolyte level to each battery cell requires that the water be introduced to the cell at the appropriate time and with a water pressure that is certain. The Watermaster System uses Gravity Feed to provide the low pressure required because of the reliability of this naturally available force.

Electrorep Energy Products, Inc., is a proud distributor of the Watermaster Network Watering System. We carry a large and complete inventory of all the Watermaster Set-up kits as well as the individual parts. We have sold and installed many of these systems and our staff can answer any of your questions as they relate to the installation and operation of this fine product.



MADE IN USA

Combination Shower/Eyewash

Large drench shower head will deliver 73 GPM @ 40 PSI to quickly wash away harmful chemicals. Eyewash fountain provides a soft stream of water to safely wash away foreign particles or liquids. Twin eyewash heads attach to chrome-plated brass yoke; chrome plated 1/2" NPT stay-open brass ball valve activated by a large highly visible safety yellow PVC push handle.

Installation: Floor mounted shower and eyewash with ABS plastic yellow bowl.

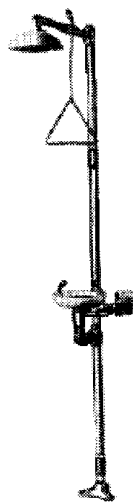
Piping: Heavy wall schedule 80, hot dip galvanized piping.

Shower Head: Yellow ABS plastic shower head delivers a minimum 20" diameter pattern to the target area 60" above standing level.

Regulator: Self-adjusting 3.5 GPM eyewash regulator assures a constant, even flow under varying hydraulic conditions.

Overall height: 7' 7" x 32"

Shipping Weight: 60.0 lbs.

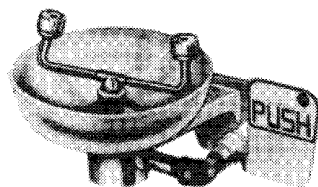


Meets ANSI
Standard
Z358.1-1990

Also available—Model:

Same features as above but with a *stainless steel bowl and stainless steel shower head*. Eyewash valve is activated by either the foot pedal or push flag handle. This feature offers added convenience if hands are needed to keep eyes open.

Shipping weight: 65lbs.



Eyewash Fountain

Provides a soft stream of water to safely clean foreign particles or liquids from the eyes. Fountain delivers 2.6 GPM at 40 PSI. Flow control for steady flow under varying water pressure.

Large highly visible safety yellow PVC push handle on chrome-plated, stay-open, 1/2" IPS ball valve.

Twin Eyewash heads are attached to a chrome-plated brass yoke. 10" diameter yellow Cylolac plastic basin. Dome strainer and 1 1/4" drain fitting. Heavy-duty sand-cast aluminum wall mounting bracket (mounting bolts not included).

Includes 10 1/2" x 8" styrene sign for wall mounting with universal eyewash symbols.

Shipping weight: 12 lbs.

Part #

Also available in a corrosion resistant *stainless steel* bowl



If chemical do contact the eye, there is a single recommended emergency treatment: Remove the offending substance by thoroughly flushing the eye with a clean, non-toxic liquid. Seconds count! Immediate emergency care is important!

Portable Eyewash Units

* Hand-held spray

* Chrome-plated brass eyewash

* Pressure relief valve

* Tire filler valve / air gauge

Stainless steel pressure tanks with built-in handles. Hand-held spray with squeeze-type valve is attached to an 8 ft. hose for eye-face-body rinsing. Separate chrome-plated brass eyewash with stay-open valve has twin, soft flow heads to provide a gentle rinsing flow of water. Tanks have tire filler valve with 0-100 PSI air gauge. Pressure relief valve prevents accidental over pressurization.

5 - Gallon Eye-Face-Body Spray and Eyewash

The flow is maintained for 7 1/2 minutes from eyewash; 2 1/2 minutes from hose spray.

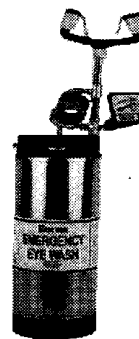
Complies with ANSI Z358.1-1990 as *Personal Eyewash*. This unit does NOT replace the need for permanent wash stations.

10 - Gallon Eye-Face-Body Spray and Eyewash

Flow is maintained for 15 minutes from eyewash; 3 1/2 minutes from hose spray. Classified as a self-contained eyewash. Provides emergency service in areas where permanent water supply is not available.

5 - Gallon Tank 25"h x 26 1/2" 15 lbs.

10 - Gallon Tank 43 1/2"h x 38 1/2" 30 lbs.



Replacement
parts
available

Making Your Selection

- The eyewash unit required for a hazard area must meet the standards in ANSI Z358.1
- Determine the best location for the eyewash unit—one that can be easily identified and accessed in an emergency, and with no obstructions
- Determine costs of installation and, if there is potential for future facility modifications or changes, the costs of relocating the unit. For plumbed units, is a source of tap water close at hand? Is there a drain to service the unit?
- Plumbed units must be flushed at least weekly. Fluid in most self-contained units must be changed frequently. Fluid changes may be required weekly, or at other intervals up to six months.

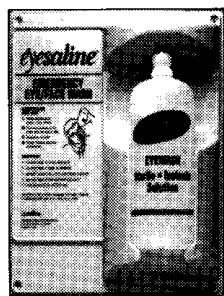
Emergency Eyewash Products

We are proud to be a distributor for the fine products represented in the Fendall line of safety equipment. Since 1950, Fendall Company has manufactured and distributed safety and health products worldwide. Because Fendall products can and do make a difference in the outcome of a chemical injury to the eye, we believe every place where batteries are stored and used should have the complete protection that Fendall offers.



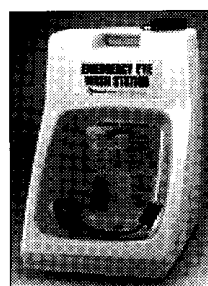
#200—Porta Stream II

- SEI certified to meet ANSI Z358.1 standard as a **PRIMARY UNIT**
- Self-contained gravity fed eyewash station
- Includes #513 *Eyesaline* Concentrate to mix a buffered saline solution
- Shipped with hanging bracket and "Emergency Eyewash" sign
- Tamper resistant locking fill cap



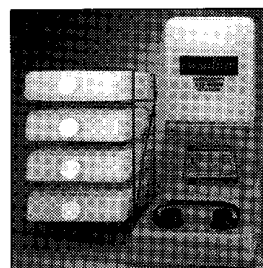
#461—Single Wall Station (32oz)

- Holds bottle firmly in place with easy access in an emergency
- Bottle twist-off is easily removed
- Mounts with screws or tape (provided)
- No seals to remove—no leaking caps
- Classified as secondary (personal) eyewash
- #460—Single Wall Station (16 oz)



#600 Porta-Stream I

- 6 gallons / 5-minute flushing capacity
- Classified as secondary (personal) eyewash
- Gravity feed eyewash station
- Included #509 *eyesaline* concentrate to mix a buffered saline solution
- Shipped complete with hanging bracket and "Emergency Eye Wash" sign



#400—Flash Flood

- Each cartridge provides 3-minute flushing capacity
- Classified as personal (secondary) eyewash
- Self-contained gravity fed eyewash station
- Includes gallon of *eyesaline* pre-mix, a buffered saline solution
- #401—Flash Flood Replacement Cartridges (4/case)
- #402—Wire Storage Rack

OSHA Regulations

The Code of Federal Regulations, Title 29, Parts 1901 to 1910, contains OSHA regulations. Part 1910.151(c) states: *"Where the eyes or body of any person may be exposed to injurious corrosive chemicals, suitable facilities for quick drenching or flushing of the eyes and body shall be provided within the work area for immediate emergency use."*

What are "suitable facilities"?

Highlights of the standards for primary eyewash devices are as follows:

- Place within 100 feet or 10 seconds of hazards, within 10 feet of strong caustics of acids
- Flush both eyes simultaneously
- Maintain a minimum flushing rate of 0.4 gallons per minute for 15 minutes (preserved, buffered, saline solution is recommended)
- Begin flushing within one second of activation
- Identify location with a high visibility sign
- Ensure that the location is readily accessible and free of obstructions

Why Fendall Eyesaline Solution?

Because the cornea is one of the most sensitive areas of the human body, the use of contaminated solution to flush an eye may result in serious infection. Eyesaline solution is pH balanced, preserved and free of contamination.



#509—Eyesaline Concentrate

- Concentrate to make 6 gallons of a buffered, saline solution
- Safety sealed and expiry dated
- Clear mixing instructions on each bottle
- Use for Fendall Porta Stream I (#100)



#502—Eyesaline Pre-Mix Solution

- Ready-to-use, buffered, isotonic, saline solution (recommended by ANSI Z358.1-1990)
- Safety sealed and expiry dated
- Can be used to fill most self-contained emergency eyewash units including the Fendall Porta Stream I, II, and III (#100, 200, 300)

Please note that this is just a small representation of the fine line of Fendall products. For any of your emergency eyewash needs that are not represented here, call Electrorep for price and availability.

Personal Protection

Comfortable, good looking, protective eyewear.



100% polycarbonate spectacle with durable, scratch-resistant UD lens coating.

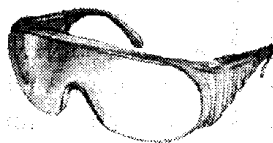
- ultradura permanently bonded lens coating resists scratches and a wide range of chemicals

- Lightweight frame has molded sideshields, browguard and universal nosebridge
- Large frame design fits over most prescription eyewear-eliminates need for prescription safety glasses

Exclusive UV extreme lens

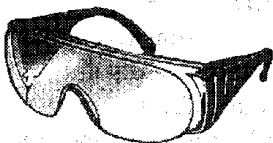
coating protects against fogging, static dust, scratching and UV rays

- Enjoy unobstructed views
- Molded in sideshields, browguard and universal nosebridge add to your comfort



- Antifog
- Antistatic
- Antiscratch
- Anti-UV rays

Economical, uncoated polycarbonate eyewear.

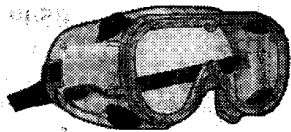


- Wraparound design for comfort
- Molded-in sideshields, browguard, and universal nosebridge
- Excellent for employees and visitors who should wear protective eyewear in short-term exposure situations

Safety Goggles

Economy Goggles block 100% of harmful UV radiation

- Clear vinyl frame with 0.064" polycarbonate lens offers excellent eye protection
- Indirect ventilation for protection against chemical and liquid splash



Good

Better



- Antifog
- Antistatic
- Antiscratch
- Anti-UV rays

Stealth goggles offer lightweight comfort, low profile and contemporary style

- Durable polypropylene frame with soft flexible elastomer that seals comfortably and conforms to most facial features
- Impact-resistant lens can be easily replaced or exchanged
- Indirect ventilation system
- Quick-adjust headband clips permit easy fitting even on hardhats

Personal Protection



Good

Flat Fold Faceshield with Headgear

- Folds flat and assembles quickly for easy storage and cleaning
- Protects against splash, spray and flying particles encountered in light work, chipping, grinding and sanding
- Size easily adjusts using pinlock system

Better



Full Faceshield with Drop-Down Ratchet Headgear.

- Top and bottom molded plastic caps and lightweight, high-impact guards give extra protection on the job
- Free-floating ratchet headgear with full tension adjustment for a comfortable fit
- Anti-warp construction gives good internal clearance
- Includes 7" x 19" x .040" clear window



Acid Resistant Gloves.

- 100% natural rubber latex
- 20 mil thickness
- Acid, puncture and tear resistant
- 12" length in white
- 14" length in orange

Acid Aprons provide splash protection

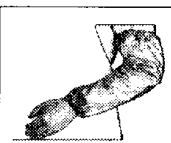
- Constructed to meet the demands of industrial and commercial applications and to provide comfort to the wearer.
- Apron is the ultimate in heavy-duty protection.
- Fabric is acid, caustic and puncture resistant.
- Fabric meets federal standard for flame resistance.
- Adjustable neck loop. Ties attach to brass grommets for securing around the waist.

Size: 45" x 35"

Color: Green



Acid Sleeves are also available



Sleeves offer splash protection to forearms.

Elastic at both cuff and biceps ensures a snug fit.

Length: 15"

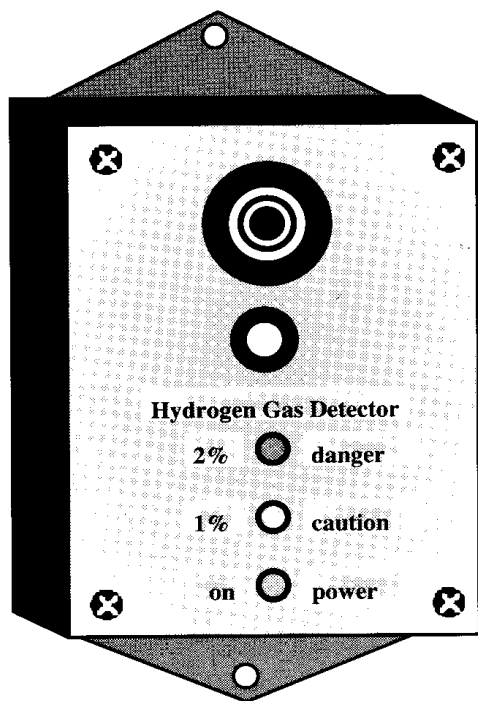
Color: Green



Disposable Acid Gas Respirators are an effective alternative to reusable respirators.

- Reuse them until the permanently attached cartridges are completely exhausted.
- Adjusts easily and correctly to all head sizes.
- Chin cup prevents slippage.
- Cartridge position allows good forward and peripheral vision.

Battery Safety Products



HYDROGEN GAS DETECTOR

Protects Life, Property and Profits!

Lead-acid batteries emit hydrogen gas after reaching 80% recharge point. Typical hydrogen emissions *per* battery are:

Battery	Hydrogen Gas
12V 500 AH	3.5 cubic feet per hour
24V 720 AH	10.1 cubic feet per hour
36V 935 AH	19.8 cubic feet per hour
48V 850 AH	23.9 cubic feet per hour

Concentrations of 4% to 75% mixed with air can be explosive. Sparks or a hot surface can ignite them. This Hydrogen Detector in your battery room will provide a warning and facilitate dissipation of concentrations before they reach the lower explosive limit of 4%.

OPERATION

When the hydrogen concentration around the sensor reaches 1% by volume, the "1% Caution" yellow LED will light and an internal relay will activate a remote exhaust fan and/or alarm. At 2% volume, the "2% Danger" red LED will flash and an internal 80 db alarm will sound. The remote exhaust fan and/or alarm will remain on.

FEATURES:

- Automatic Operation
- Continuous Monitoring
- High Sensitivity
- Excellent Stability
- Solid State Reliability
- Simple Installation
- Low Cost

SPECIFICATIONS:

Dimensions:
 Height 6 1/8" (15.5 cm.)
 Width 3 7/8" (10.0 cm)
 Depth 2" (5.0 cm)

Mounting:

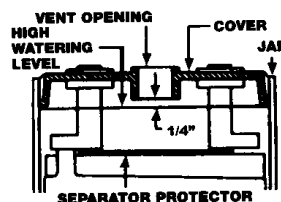
Two 3/16" (4.5 cm) screws

Power Requirements:

110 volts. 50/60 Hz A.C.
 220 volts available

Proper Industrial Battery Care

- Check electrolyte levels daily.
- Water battery **AFTER** charge cycle.
- Add only distilled or deionized water.
- Keep water level between 1/4" above plates and 1/4" below vent well. **Do not overfill.**
- Equalize charge battery weekly.
- Do not interrupt charge cycle.
- Allow battery to cool after charging.
- Keep battery top clean and dry.
- Keep away from sparks and open flames.



G N B



Battery Care Poster

We have developed a clean, professional Battery Care Poster that can be displayed in any area where batteries are serviced. This straight-forward poster is printed on bright yellow, heavy stock paper and laminated to provide many years of durability.

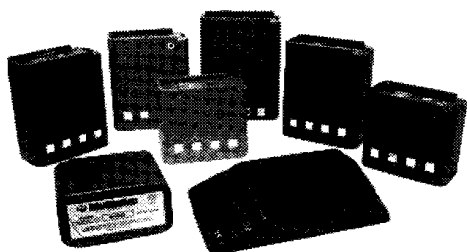
This Safety Poster serves as a reminder for the basic do's and don'ts of battery care. This poster is an *Electrorep Energy Products* exclusive and was developed by our service manager for our customers' convenience.

Actual size is 24" x 22". There is a Spanish language version available.

Small Batteries

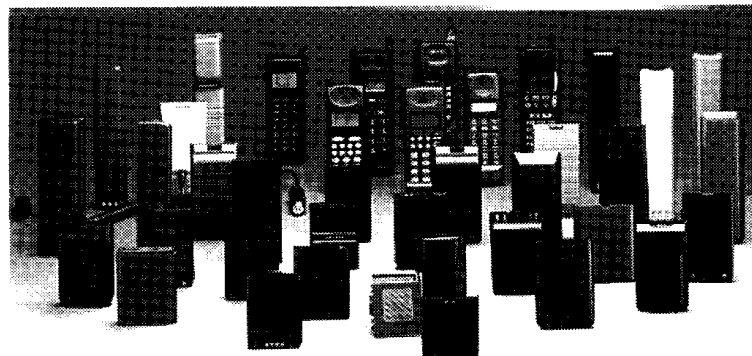
Don't just think of **Electrorep Energy Products** as your source for industrial battery and charger needs, think of us as your One Stop Source for ALL of your battery needs, EVEN your Small Battery Needs! With our contacts, we can supply all your battery needs, whatever they may be. From cell phones to laptop computers, from two-way radios to cordless phones. From A to Z, if it takes a battery, we can probably get it for you OR if you have a sample, we can have it made for you.

Try us out!



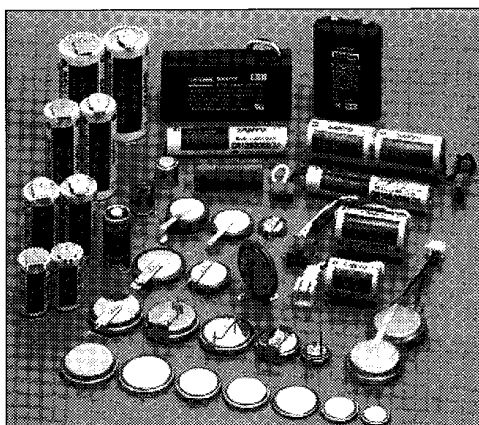
2-Way Radio Communication Batteries

One of our specialties! We have access to all the major brands in all the most popular models. *Motorola* is the biggest one out there and you know we'll have a battery to fit! *Icom, Kenwood, Maxon, Radio Shack, Ritron, Uniden* and other brands are no problem for us to fit!



If you have a Cell Phone, we've got your battery!

Motorola cell phones seem to be very much in demand, so they are well represented. From the ever popular flip-phones to the new generation Nextel phones, we've got you covered. We offer a larger variety of battery capacities AND can often get you the color battery you want. Also available: *AT&T, Audiovox, Ericsson, G.E., Fujitsu, NEC, Nokia, Panasonic, Uniden* and others too many to list.



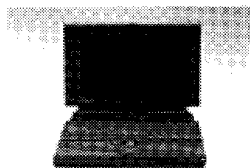
If you have a special battery need for a custom application, or need a battery that is no longer made, give us a try! If you have a sample of what you need, we can have it **CUSTOM** built for you! It is cheaper than you think!



Single Cells in All the Major Brands!

Duracell, Eveready, Ray O Vac, Sanyo
AA, AAA, C, D, 9v - - - Alkaline, NiCad, Zinc,
Nickel Metal Hydride, Lithium Ion, Mercury
Whatever the size, Whatever the application,
we can supply ALL your small battery needs!

We know how important your Laptop Computer



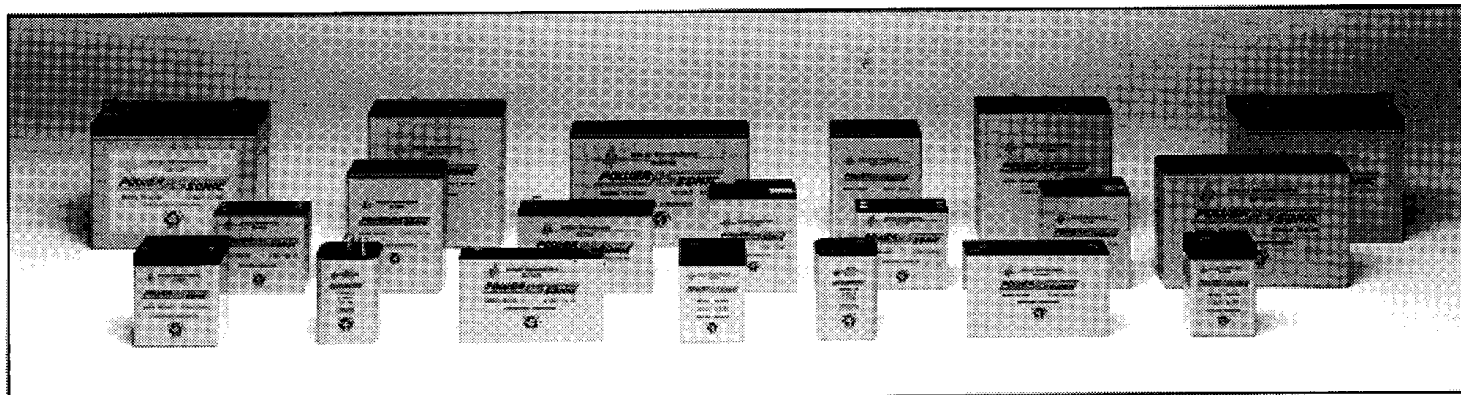
is to your business and without a good, reliable battery, it is nothing more than an expensive paperweight! If you need a good battery, and maybe a spare, let us help! We supply batteries for all the major manufacturers, such as:

Apple, Compaq, IBM, NEC, Toshiba, Zenith, HP, Canon, Librex, Hewlett-Packard, Epson, Sharp, and many other brands, too numerous to list. Bottom Line: Let Us Help



Sometimes the original battery for a certain application may no longer be available. Don't throw it away just yet! If you have a sample of the old battery pack, we probably can rebuild it for you! Give us a call for more details.

POWER SONIC

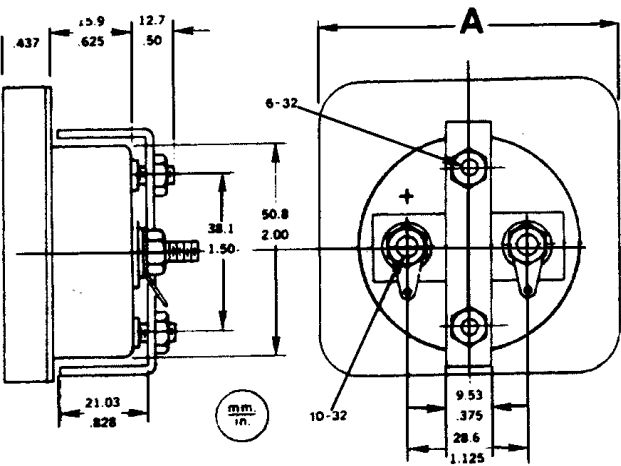
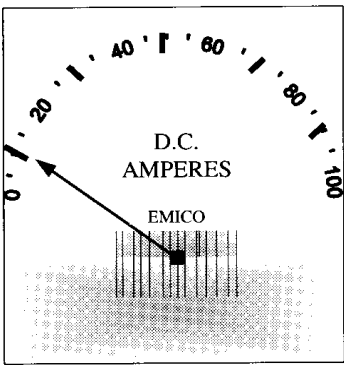


SPECIFICATIONS

Sealed Lead-Acid Batteries

Model	Nominal Voltage V	Nominal Capacity at 20hr Rate A.H.	Discharge Capacity at 20hr mA	Length		Width		Height		Weight Lbs.
				in.	mm	in.	mm	in.	mm	
PS-445	4	4.5	225	1.93	49	2.09	53	3.70	94	1.5
PS-490	4	9.0	450	4.02	102	1.73	44	3.70	94	2.4
PS-605	6	0.5	25	2.24	57	0.55	14	1.97	50	0.2
PS-610	6	1.0	50	2.00	51	1.65	42	2.00	51	0.6
PS-612	6	1.2	60	3.82	97	0.94	24	2.00	51	0.6
PS-630	6	3.0	150	5.28	134	1.34	34	2.35	60	1.5
PS-640	6	4.0	200	2.76	70	1.89	48	4.02	102	1.95
PS-640WL	6	4.0	200	2.76	70	1.89	48	4.02	102	1.95
PS-665	6	6.5	325	3.86	98	2.20	56	4.05	103	3.0
PS-670	6	7.0	350	5.95	151	1.34	34	3.70	94	3.0
PS-682F	6	8.0	400	3.86	98	2.20	56	4.65	118	3.3
PS-682WL	6	8.0	400	3.86	98	2.20	56	4.65	118	3.3
PS-695	6	9.5	475	4.26	108	2.75	70	5.54	141	4.9
PS-6100	6	10.0	500	5.95	151	2.00	51	3.70	94	4.6
PS-6120	6	12.0	600	4.26	108	2.75	70	5.54	141	5.2
PS-6200	6	20.0	1000	6.18	157	3.27	83	4.92	125	8.2
PS-6360	6	36.0	1800	6.25	159	3.35	85	6.5	165	13.8
PS-1208	12	0.8	40	3.78	96	0.98	25	2.42	62	0.8
PS-1212	12	1.2	60	3.82	97	1.65	42	2.00	51	1.3
PS-1220	12	2.0	100	7.01	178	1.34	34	2.36	60	1.9
PS-1223	12	2.3	115	7.17	182	0.94	24	2.42	61.5	1.76
PS-1230	12	3.0	150	5.23	134	2.64	67	2.36	60	2.6
PS-1242	12	4.0	200	3.54	90	2.76	70	3.98	101	3.8
PS-1252	12	5.0	250	3.54	90	2.76	70	4.02	102	4.2
PS-1270	12	7.0	350	5.95	151	2.56	65	3.70	94	5.7
PS-1282S	12	8.0	400	3.86	98	4.40	112	4.65	118	6.7
PS-1295	12	9.5	475	8.38	213	2.75	70	5.50	140	10.0
PS-12100	12	10.0	500	5.95	151	4.00	102	3.70	94	9.2
PS-12120	12	12.0	600	5.94	151	3.86	98	3.70	94	9.0
PS-12120L	12	12.0	600	8.38	213	2.75	70	5.50	140	11.00
PS-12180F	12	18.0	875	7.13	181	2.99	76	6.57	167	12.8
PS-12180NB	12	18.0	875	7.13	181	2.99	76	6.57	167	12.8
PS-12330	12	33.0	1650	7.68	195	5.19	132	6.38	162	26.5
PS-12400	12	40.0	2000	7.75	197	6.50	165	6.69	170	30.9
PS-12600	12	60.0	3000	10.25	260	6.60	168	8.20	208	52.3
PS-12800	12	80.0	4000	12.00	305	6.60	168	8.20	208	62.4
PS-121000	12	100.0	5000	13.07	332	6.85	174	8.43	214	70.5

Ammeters



	A=
Series 42	58.74 mm 2.313 in.
Series 44	69.8 mm 2.75 in.

- * Attractively styled
- * Wide choice of ranges
- * Metal case gives excellent shielding
- * Custom scales (optional)

Emico produces the world's finest, cost-effective panel meters whose performance and quality are hard to beat. Emico meters are attractive, ruggedized and reliable instruments providing 5% accuracy and repeatability. Offered in a variety of packages, sizes, configurations and ranges, Emico meters offer the flexibility in meeting today's demanding applications.

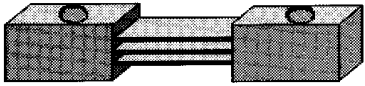
All Emico meters are made in America with the trademark of quality and service. Our "Series 44" meters are 2 13/16" square. Their clear plastic cover, with translucent ribbing over the pivot area, give these meters a clean, open look that is compatible with any surrounding. The case is zinc-plated steel, damage resistant and designed for easy installation.

Ordering information:
Order part number "AM44DAA" and scale desired.
Our stock on hand includes:

- AM44DAA 0-50 internal shunt
AM44DAA 0-60 internal shunt
AM44DAA 0-75 *
AM44DAA 0-100 *
AM44DAA 0-125 *
AM44DAA 0-130 *
AM44DAA 0-150 *
- AM44DAA 0-200 *
AM44DAA 0-250 *
AM44DAA 0-300 *
AM44DAA 0-400 *
- * for use with external shunts.*

We also carry a "Series 42" meter that is 2 5/16" square. A little smaller meter but the same fine quality as the "Series 44."

Shunts



It's not often when a shunt goes bad; but when it does, you need one and you need it now! This is

just one more reason why Electrorep Energy Products should be your First Call for ALL your Battery and Charger needs. This is a partial list of our available shunts. Call us Today!

Description	Amperage	MilliVolt Rating
C.E.N.	150	50
	200	50
	250	50
	300	50
FerroMagnetics	50	50
	75	50
	100	50
	200	50
	300	50
	400	50
	500	50

Pilot Lights

- Pilot Light Yellow
- Pilot Light Amber
- Pilot Light Red
- Pilot Light Red 24 VAC
- Pilot Light Red 115 VAC



Relays

- C.E.N.
"SS05" Style
FerroMagnetics
24 Volt Relay
- General Purpose
115 VAC
Lester Electronics
120 VAC

"The first one is called 'How to Get the Most Distance Out of Your Shanks,' and the other is, 'How to Take the Correct Stance On Your Fourth Putt.'"

Lee Trevino
Professional golfer, on his new books

Fuses

Buss®Fuses

Buss®Fuses

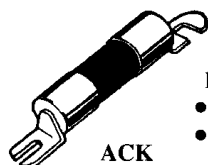
We are proud to be one of **Bussman's** World Network of stocking distributors.

Bussman is the first name in fuses. **Bussman** is the complete source for all of your fuse requirements. With more than 25,000 fuses and accessories at our disposal, we are sure to have the correct fuse for your application—or we can order it for you. **Buss** is the best known brand name in fuses, among consumers, contractors and industrial customers. If the fuse you are replacing is not a **Bussman Fuse**, that's O.K., call us anyway...we have a comprehensive cross-reference chart that lists thousands of competitors' fuses that can be replaced with the quality and reliability of a **Bussman Fuse**. Listed below are some popular **Bussman Fuses** that fits most of the battery chargers in the industry.

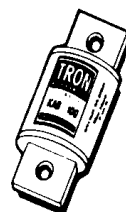


FUSETRON Stud Mounted Fuses

- Designed for high inrush currents
- Thermal cutout cannot operate quickly
- Long lag-time on high overloads for short duration makes it unnecessary to use extra large size or oversize fuses
- 125 Volts
- In stock sizes are 75 to 300 Amps



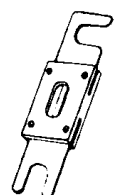
ACK



TRON Semiconductor / Rectifier Fuses

- Extremely fast-acting fuses
- Rated 150 VAC and 200 VDC
- 200,000 amp interrupting rating
- Protects Diodes, Thyristors, Triacs and other Solid State Components and Devices
- Equal to Gould A13X & Littlefuse L155

FWA (150 V.) 2 - 1000 Amps



ANN

Very Fast-Acting Fuses ANN Series

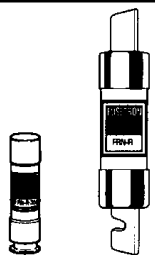
- 2500 amp interrupting rating
- Rated 125 VAC
- Open link element, visible through window
- High speed response to short circuit currents
- 3 3/16" long x 7/8" wide
- In stock sizes are ANN35 through ANN500



KTK

KTK Series - - 13/32" x 1 1/2" MIDGET FAST - ACTING FUSES

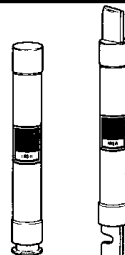
- non time delay limitron fuses
- protect control circuits and lighting circuits
- rated at 600 volts AC
- functionally equal to Gould ATM / Littlefuse KLK
- 100,000 Amp Interrupting Rating
- 1/10 Amp through 35 Amps



FRN-R (250 V.)

FUSETRON Dual-Element Fuses

- Rated 0 to 600 Amperes
- Rated 250 VAC & 125 VDC
- Dual-element fuse
- Moisture-resistant body
- Carry 500% of rated current for minimum of 10 seconds
- 200,000 Amp Interrupt Rating

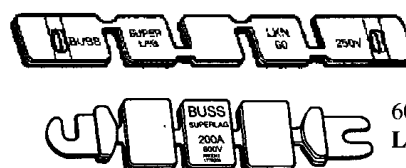


FRS-R (600 V.)

Typical applications for **FUSETRON Dual-Element Fuses** are general protection for mains, feeders and branch circuits, particularly for motor branch circuits and feeders; protection of transformers, solenoids, control and other types of circuits.

FRN-R (250V) 1/10 - 60 Amps / Blade type 70 - 600 Amps
FRS-R (600V) 1/10 - 60 Amps / Blade type 70 - 600 Amps

RENEWABLE LINKS



250 Volts
LKN 1 - 600 A

600 Volts
LKS 1 - 600 A

Buss SUPER-LAG Renewable fuses with longer time-delay than other class H fuses of this type can better sustain overloads without needlessly opening. **SUPER-LAG** fuses are used in applications where frequent outages dictate the economy of the "renewable" type fuse.



JJN SERIES—Fast-Acting Fuses

- 1 - 30 amp 7/8" x 13/32"
- 35 - 60 amp 7/8" x 9/16"
- 70 - 100 amp 2 5/32" x 13/16"
- 110 - 200 amp 2 7/16" x 1 1/16"
- Small dimension provides high current limitation
- 200,000 amps interrupting rating



NON 250v



NOS 600v

- 0 - 60 amp for barrel type
- 70 - 600 amp for knife-blade type
- 50,000 amp interrupt rating 0-60A
- 10,000 amp interrupt rating 70-600
- Economical general purpose fuse
- Functionally equal to Gould OT and OTS and Littlefuse NLN and NLS

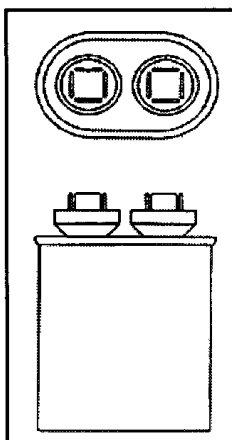


JKS LIMITRON QUICK-ACTING FUSES

- Single-element fuse
- No time-delay
- Best used in circuits free of the temporary over loads of motor and transformer surges
- 65A-100A only 4 5/8" length
- 110A-200A only 5 3/4" length
- 200,000 amps interrupting rating
- 600V 1 - 600 Amperes

250 Volt			600 Volt		
Type & Amp	Length	Diameter	Type & Amp	Length	Diameter
NON 0-30	2"	1/2"	NOS 0-30	5"	3/4"
NON 35-60	3"	3/4"	NOS 35-60	5 1/2"	1"
NON 70-100	5 7/8"	1"	NOS 70-100	7 7/8"	1 1/4"
NON 110-200	7 1/8"	1 1/2"	NOS 110-200	9 5/8"	1 3/4"
NON 225-400	8 5/8"	2"	NOS 225-400	11 5/8"	2 1/2"
NON 450-600	10 3/8"	2 1/2"	NOS 450-600	13 3/8"	3"

Charger Repair Parts



Capacitors / Condensors

We stock a wide inventory of metalized capacitors designed for AC power supplies and filtering applications.

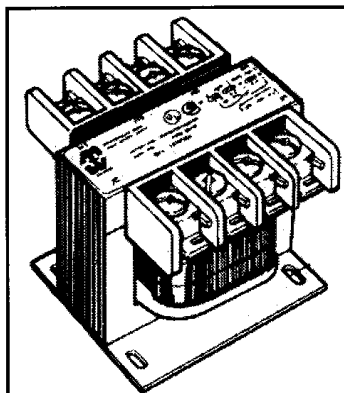
These also offer low dielectric loss, inherent self-healing property, and increased microfared per volume.

Part Number	Microfared	Voltage
CDR2-440	2	440
CDR4-440	4	440
CDR6-440	6	440
CDR7.5-440	7.5	440
CDR8-440	8	440
CDR10-440	10	440
CDR12-440	12	440
CDR12.5-440	12.5	440
CDR14-440	14	440
CDR16-440	16	440
CDR17.5-440	17.5	440
CDR18-440	18	440
CDR20-440	20	440
CDR22-440	22	440
CDR24-440	24	440
CDR26-440	26	440
CDR28-440	28	440
CDR30-440	30	440
CDR32-440	32	440
CDR34-440	34	440
CDR36-440	36	440
CDR38-440	38	440
CDR40-440	40	440
CDR2.5-660	2.5	660
CDR3-660	3	660
CDR4-660	4	660
CDR5-660	5	660
CDR6-660	6	660
CDR8-660	8	660
CDR10-660	10	660
CDR12-660	12	660
CDR15-660	15	660
CDR18-660	18	660
CDR20-660	20	660
CDR24-660	24	660

"When I'm on a course and it starts to rain and lightning, I hold up my one iron, 'cause I know even God can't hit a one iron."

Lee Trevino
Professional golfer

Control Transformers



We stock O.E.M. control transformers to fit most major brands of battery chargers, including CEN, C&D, Exide, FerroMagnetics, GNB, Hobart and others.

We also carry a generic brand of control transformer that will fit most chargers and usually at a substantial savings

CONTROL TRANSFORMER DESCRIPTION

CEN

208/240/480 x 24/16 W/LEADS

SS05 STYLE

115/230

460/575

C & D

120/240 x 24/18/9

240/480 x 24/18/9

480/575 x 24/18/9

EXIDE

ES 1 SIGNAL

ES 3 LINE SENSE

FERRO MAGNETICS

240/480 x 24

120/240 x 24

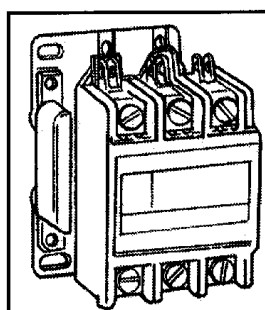
240/480 x 120

HOBART

208/240/480 x 24

ALL OTHER BRANDS ARE AVAILABLE AS WELL. PLEASE CALL FOR PART NUMBER AND PRICING.

Line Contactors



The high-quality line contactors that we carry provide the dependability required for today's battery chargers. Our contactors reflect quality material and workmanship. Backed by design knowledge and experience, our contactors offer high reliability for your specific application.

FEATURES

- Universal mounting plates with multiple holes make them easy to interchange with other manufacturer's devices.
- Bold, easy-to-read terminal marking simplify installation.
- Straight-through wiring speeds installation.
- Corrosion-resistant materials used throughout.

C & D

24V 30A 2 POLE

24V 40A 2 POLE

FERRO MAGNETICS

24V 30A 3 POLE

24V 30A 2 POLE

EXIDE / HERTNER / YALE

110/120V 30A 3 POLE

110/120V 35A 3 POLE

24V 30A 3 POLE

24V 60A 3 POLE

HOBART

24V 30A 3 POLE

24V 30A 2 POLE

110V 30A 3 POLE

MISCELLANEOUS

110/120 40A 3 POLE

208/240 30A 3 POLE

208/240V 40A 3 POLE

208/480V 50A 3 POLE

416/480V 30A 3 POLE

416/480V 40A 3 POLE

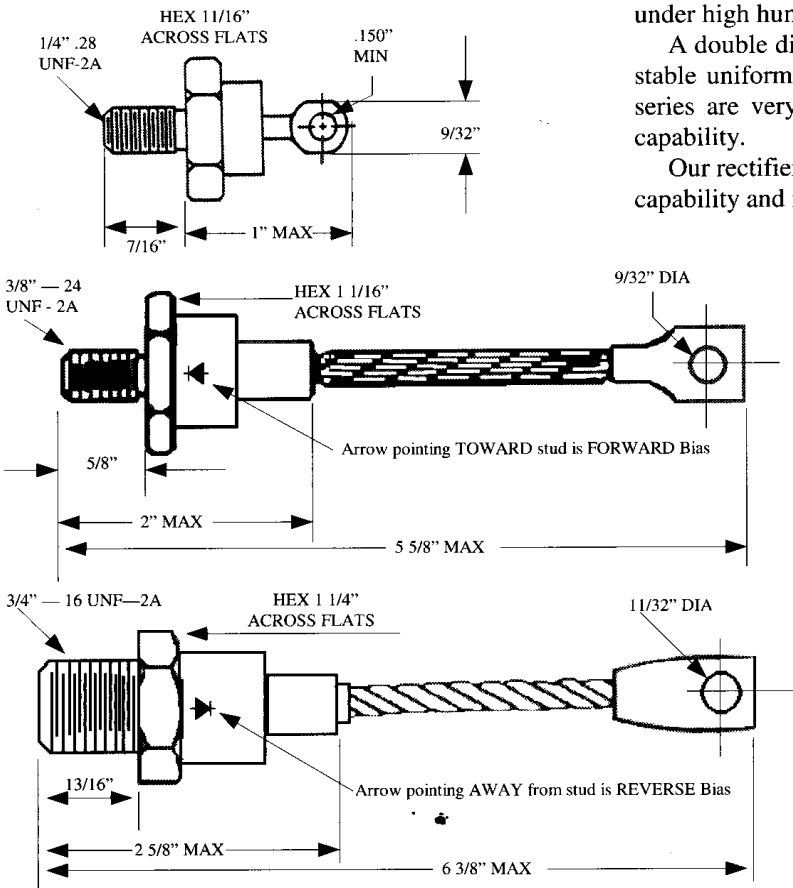
Charger Repair Parts

Diodes / Rectifiers

Our stud-mounted power rectifiers are the finest in the industry. Silicon junctions are securely mounted and hermetically sealed into all metal cases. This design permits extremely reliable operation even under high humidity and other demanding environmental conditions.

A double diffused passivated junction technique is utilized to assure stable uniform electrical characteristics. Inherent in the design of the series are very low leakage currents as well as good surge handling capability.

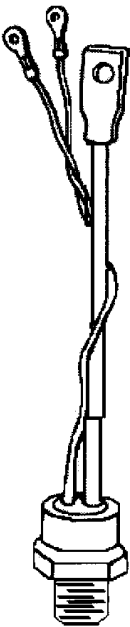
Our rectifiers are ideal for use in applications where economy, power capability and reliability are demanding considerations.



Diodes Are Available For All Makes and Models.
This Is A List Of Our Most Popular Types

CEN / FERRO MAGNETICS		
45A	FORWARD	400V
70A	FORWARD	400V
85A	FORWARD	400V
150A	FORWARD	400V
45A	REVERSE	400V
70A	REVERSE	400V
85A	REVERSE	400V
150A	REVERSE	400V
EXIDE		
85A	FORWARD	400V
125A	FORWARD	400V
GNB		
60A	FORWARD	400V
60A	REVERSE	400V
150A	FORWARD	400V
MAC		
70A	FORWARD	400V

SCRs



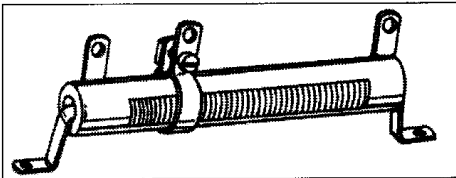
Silicon Controlled Rectifier:
Better known as SCR technology is used in today's state-of-the-art motive power chargers. This type of charger is not new, but most people are not familiar with this technology.

What is an SCR?
"Silicon" is the semiconductor material the SCR's active portion is made of. "Rectifier," indicates that the device is a diode-like component, capable of rectification (changing AC to DC).

It is actually a modified four-layered diode. "Controlled" means that an SCR is an electrically switchable diode.

Call for a quote on your SCR needs

Resistors



When your charger is down because of a bad resistor, call Electrorep. Nobody can match our selection or inventory

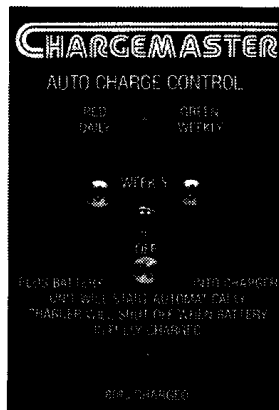
C & D		Ferro / GNB con't	
1.5 ohm	225 w	5 ohm	20 w
C.E.N.		5 ohm	100 w
1 ohm	100 w	5 ohm	200 w
FerroMagnetics / GNB		10 ohm	100 w
1.25 ohm	100 w	25 ohm	100 w
1.25 ohm	200 w	25 ohm	200 w
1.5 ohm	225 w	100 ohm	200 w
2.5 ohm	50 w		
2.5 ohm	100 w		
2.5 ohm	200 w		

This is a partial list of some of our most popular resistors. Please call regarding your specific application.

Controller Card Retrofit Kits

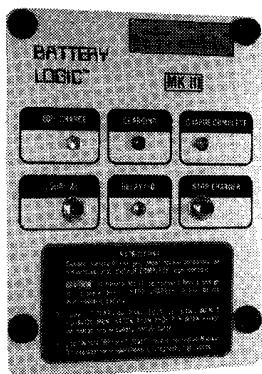
Sometimes the original control board for a battery charger is no longer available. Many times the cost of a new board is too prohibitive to install in an older charger. This is a perfect time to consider replacing an O.E.M. controller card with a generic circuit board. Electrorep Energy Products, Inc., carries a variety of replacement control boards designed to retrofit a myriad of different charger brands and models. They are reliable, cost effective and have years of proven results. Call your nearest Electrorep Energy Products store for more details.

Chargemaster Auto Charge Control is an inexpensive time control that easily replaces manual timers on older battery chargers. Chargemaster is also used to replace costly and sophisticated original equipment charger controls that are prone to premature failure.



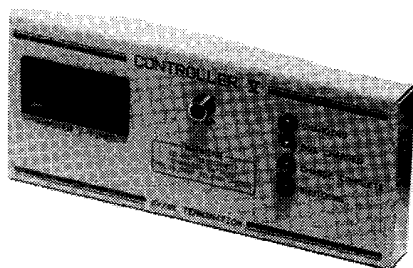
- * **START-UP DELAY**
Charger starts 5 to 6 seconds after battery is connected to the charger
- * **TWO-WIRE HOOKUP**
Timer contact wires simply plug into the relay
- * **DUAL-COLOR LIGHT**
Signals red when control is set for normal charge / green when in equalize mode
- * **READY LIGHT**
Signals yellow when battery is 80% charged
- * **SHUTDOWN SWITCH**
Provides ability to manually shut off charger if the battery is needed before the end of charge
- * **BACKUP TIMER**
If charger fails to fully charge battery within 16 hours, backup timer turns charger off
- * **CURRENT SENSE**
Charger shuts off when battery is disconnected

Since 1914, **Southwestern Battery** has served just about every kind of lead-acid battery and charger in memory. This experience has helped them design the original Battery Logic and since build over 10,000 of these reliable controls.



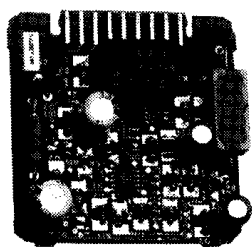
- * **AUTO-START, AUTO-STOP**
Just plug the battery into the charger—that's all there is to it. If all is right, charger will start
- * **REVERSE POLARITY PROTECTION**
Battery or charger plug accidentally turned around? MK III won't let the charger start
- * **WRONG BATTERY PROTECTION**
Try putting the wrong voltage battery on the charger and it won't come on. Signal lights tell you about it
- * **PROGRAMMABLE START DELAY**
You can program MK III to delay charger start up to 7 1/2 hours from plug-in
- * **EQUALIZING CHARGE**
A push button allows equalizing by extending recharge time three hours
- * **SERIOUS OVERCHARGE PROTECTION**
On a worn-out, overheated battery, MKIII will shut down the charger to prevent serious damage
- * **DIAGNOSTIC SIGNAL LIGHTS**
Signal light codes tell what is happening. If things are wrong, signal codes help identify the problem

The **Controller V Retrofit Kit** may be the ultimate control board replacement on the market today. Not only are you getting a top quality electronic circuit board, the kit ALSO includes a brand new Line Contactor, Control Transformer and Cell Select Board. With the contents of this retrofit kit, nearly all of the vital components inside the charger would be new.

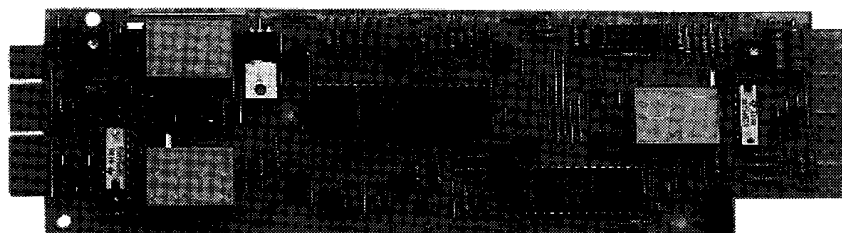


- * **AUTOMATIC**
Five-second delay start upon connection of a proper size, good battery
- * **AUTOMATIC**
Dv/dt - di/dt charge termination. Voltage slope and current slope detection
- * **AUTOMATIC**
12-hour "refresh" charge adds a top-off charge to a fully charged battery
- * **AUTOMATIC**
Shutdown lock-out will not allow a restart after a problem shutdown occurs
- * **AUTOMATIC**
Ammeter / timer display diagnostic indicators reveal a poor battery condition

Printed Circuit Boards



Let's face it. We live in the computer age of high-tech circuitry and complicated motherboards. We cannot even get a cup of coffee or start our car engines without the aid of a micro processor computer chip somewhere aiding in the process. They are a wonderful invention that have made our lives easier in more ways than we can count and we would not want to manage our world without them.



The printed circuit board has truly been the 8th Wonder of The Modern World!

Virtually every battery charger depends on the versatility and reliability that is offered by the printed circuit board.

But they are not impervious to wear. Many factors can account for their loss of effectiveness, i.e., power surges, moisture and human error.

We, at Electrorep, stock a wide inventory of various control cards for all the major battery charger manufacturers. Listed below is a sample of our inventory. If the card for your application is not listed, **CALL US**. We can replace your printed circuit board regardless of the brand. We are your **ONE STOP** source for **ALL** your battery/charger needs.

C.E.N.

MC05 Card Only
6 Cell Select Board
12 Cell Select Board
18 Cell Select Board
24 Cell Select Board
SS05 / CEN 50 / FER50
SS05- 6 Cell Control Card
SS05- 12 Cell Control Card
SS05- 18 Cell Control Card
SS05- 24 Cell Control Card

C & D

Scout Control Board
Universal Auto Start / Stop
Compucharge Board
Ranger II Board
EXIDE
NPC 1 Phase
NPC 3 Phase Auto Start/Stop
Module NPC 3 Phase
ES1 Control Board
ES3 Control Board

FERROMAGNETICS

Charge Control 3 light w/
LED
VPII dv/dt or TVR
Automatic Program
Premium II "Key Pad" style
GNB
FER 50 & 100
Full Pow'R
SCR 100
SPP "Pow'R Pac"
SVR "Slide-IN" Type

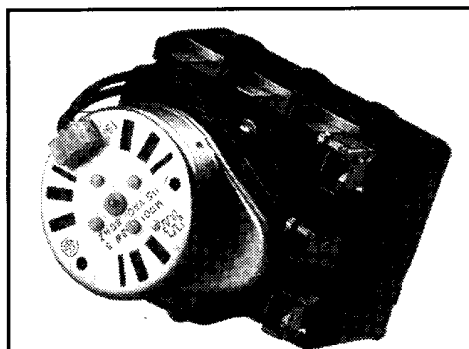
HOBART

250 C II Control Card
450 Control Card
950 Control Card
LTD
Early Style w/o toggle switch
Newer Style w/ toggle switch
M.A.C.
"V" Series
"SVR" Type
AutoMac 2200
AutoMac 2300

REBUILD OPTION

If you have the time, we can save you money by rebuilding your old control card! There is no charge to determine if your card is rebuildable. Give us a call, it may be your most profitable call of the day!

Mechanical Timers



Although most of today's production of battery chargers have long ago replaced mechanical timers with electronic circuit boards, there is still a need and a market for the good old gear-driven mechanical timer. Since the late 1960s, millions of these units have been produced.

Motor

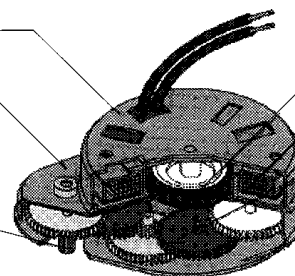
Durable precoated steel construction

Gearbox

Heavy-duty aluminum construction

Output

Many standard shafts and pinions to fit most applications.



Barium ferrite permanent magnet

Coil

Geartrain from fine pitch to course

Gearbox cover Heavy-gauge steel or aluminum.

Description

C & D
16HR 260V
18HR 24V
18HR 120V
C.E.N.
16HR 120V
16HR 240V

Description

FERROMAGNETICS
16HR 24V
HOBART
24HR 230V.
M.A.C.
16HR 120V

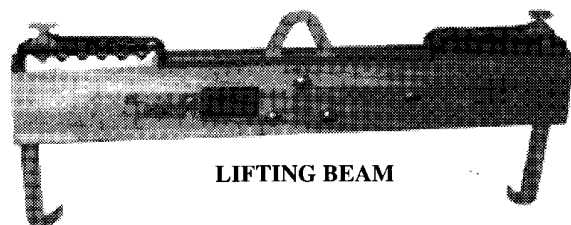
We also carry timers for:
CVC, Exide, Hertner, Lester, LaMarche

Material Handling

**MAXIMUM
CAPACITY**
6,000 LBS.

ADJUSTABLE
21" - 39"

**SHIPPING
WEIGHT**
55 LBS.



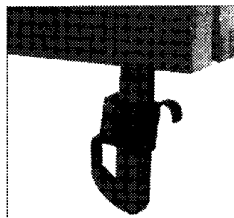
LIFTING BEAM

FEATURES

- Hardwood construction
- Lightweight for one-man operation
- Natural sparkproof insulation
- Safety rubber hook retainers

REPLACEMENT PARTS AVAILABLE

Replacement hooks
Replacement rubber straps

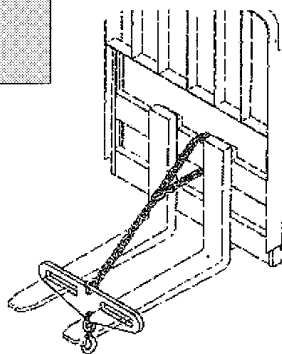
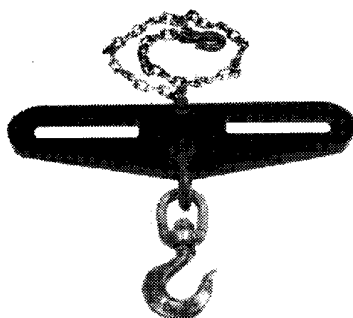


Spring loaded Safety Hooks also available. Prevents hooks from disengaging from the battery

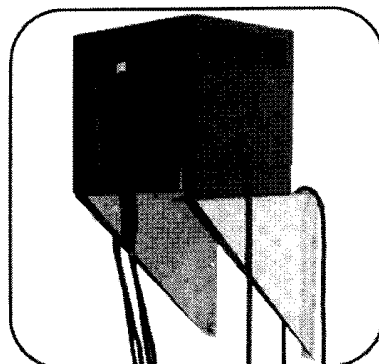
Fork Attachment

CAPACITY **SAFETY CHAIN**
6,000 LBS. 4'

Shipping Wt. 26 LBS.



Charger Wall Brackets



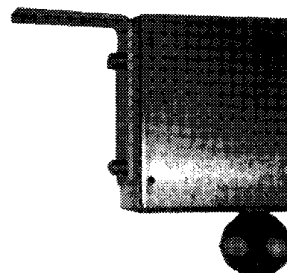
Charger Wall Brackets are constructed of heavy-duty angle iron and are sturdy enough to safely hold any charger.

POGO stick mounting hole already included!!

Standard Color:
Osha Blue

Shipping Wt. 40 lbs. pair

Cable Retractors



"Cord Reel Type"

(similar to illustration)

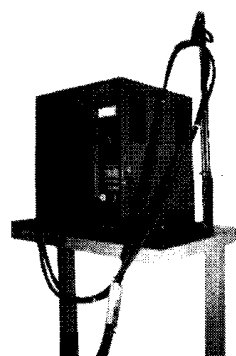
Features

- 10 feet of cord
- Adjustable tension spring
- Compact & lightweight
- Shipping Wt. 7 lbs.

Benefits

- Can reach more batteries
- Will hold larger battery cables
- Bolts directly to charger

The "POGO STICK"

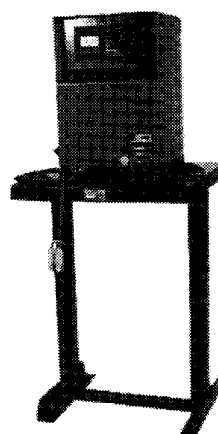


Features

- Heavy duty spring with safety chain
- Cable grommet restrainer
- Durable chrome-plated steel
- 38" long x 1" wide
- Complete with 5/8" - 11 threaded stud for mounting
- Shipping weight 7 lbs.



Charger Stands



Our Charger Stands come in a standard height of 36" and a standard depth of 25".

They are constructed of heavy-duty angle iron and are pre-drilled at the legs for attaching to the floor.

A 5/8" hole is also pre-drilled for mounting a POGO stick cable retractor (not included)

Part

RCS-24
24" width
RCS-36
36" width
RCS-72

**Shipping
Weight**
75 lbs.

85 lbs.

150 lbs.

Please Note:
Charger shelves can be custom built to any dimensions that you require.
Special sizes quoted on request

Standard Colors: Osha Blue
Industrial Gray

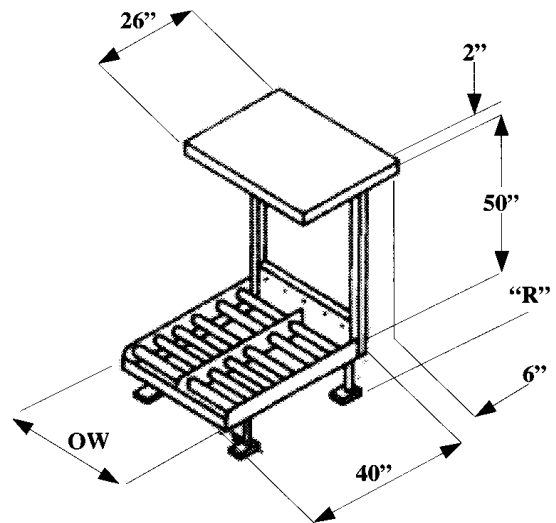
Battery Handling Equipment

Battery Station with Rollers

FEATURES:

- Heavy-Duty Construction
- Non-Conductive Roller Bed
- Spring Loaded Rollers
- Adjustable Legs
- Battery Safety Stops
- 800 lb. Capacity Charger Shelf
- Models For All Battery Sizes
- Meets OSHA Requirements

“R” = Roller Height Above Floor
(Min. 5”) Adjust. + / - 1 1/2”



TWO COMPARTMENT

Model	Roller Width	OW
12-2	12”	26”
15-2	15”	32”
18-2	18”	38”
21-2	21”	44”
24-2	24”	50”
27-2	27”	56”
30-2	30”	62”

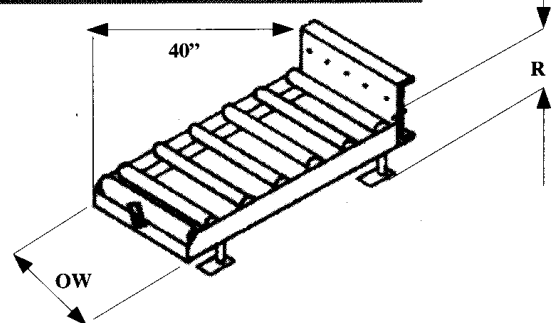
THREE COMPARTMENT

Model	Roller Width	OW
12-3	12”	39”
15-3	15”	48”
18-3	18”	57”
21-3	21”	66”
24-3	24”	75”
27-3	27”	84”
30-3	30”	93”

Battery Service Station

FEATURES:

- Heavy-Duty Construction
- Non-Conductive Roller
- BedSpring Loaded Rollers
- Adjustable Legs
- Battery Safety Stop



Model	Roller Width	OW	“R”=Roller Height	Roller Diameter
BSS-15	15”	15 3/4”	Available	1.9”
BSS-21	21”	21 3/4”	from 5” to 14”	2.5”

Battery Station with Hardwood Interlay

FEATURES:

- Hardwood Charging Surface
- Corrosion Resistant Spacers
- Heavy Duty Construction
- 800 lb. or 1600 lb. Capacity Charger Shelf
- Meets OSHA Requirements
- Available In The New Material “Envirowood”

Model	Width
HS-30**	32”
HS-42***	44”
HS-60***	62”
HS-72***	74”
HS-84***	86”
HS-100#	102”
HS-120#	122”
HS-144#	146”

**Wood Runs front to back (Standard)

***Available With Left to Right Wood

#1600 lb. Capacity Charger Shelf Standard

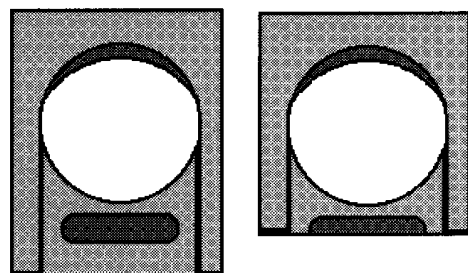
Battery Shop Tools

POST DRILL



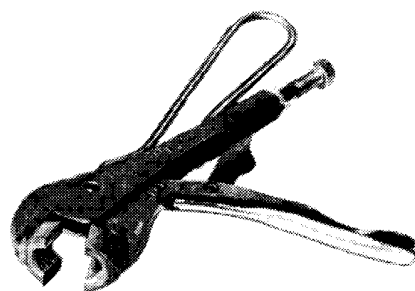
A 7/8" drill bit is essential for in-shop repairs such as cell replacement or intercell connector replacement.

BUTTON BURNER MOLDS



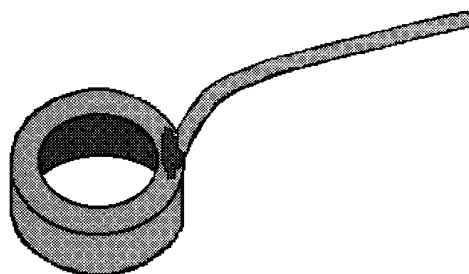
Button Burning Molds are used on the lead intercell connector to rebuild their original shape after being burned on

CELL PULLERS

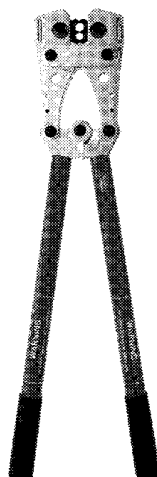


A threaded post clamp to aid in the removal of cells. Always fasten to one of the negative posts to remove a cell. Never pull a cell by the positive post.

POST BUILDER MOLDS

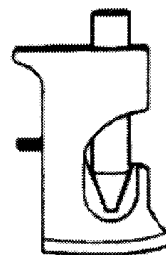


A precision-machined mold that quickly and professionally rebuilds the shape of the battery post to the original manufacturer's specifications.



#HT-1090

Lever-Style Crimping Tool features tubular steel, starter lugs, splices and other cable connections. Tool applies equal pressure from four sides to crimp through 4/0 gauge cables. Four crimping dies included.



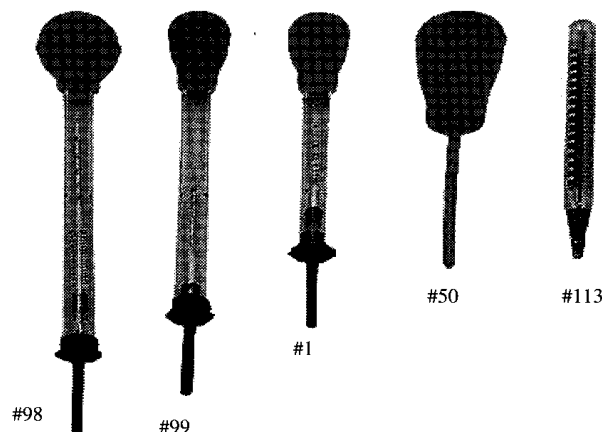
Battery Cable Crimping Tool crimps all types of battery cables. Crimps #8- 4/0 AWG lugs. Fits easily in your tool box making it a great field tool. Has indicator pin to indicate proper crimp depth.



BATTERY FILLER

Battery filler made of polyethylene and equipped with automatic shut-off. 2.25 qt. capacity.

PROFESSIONAL HYDROMETERS, FILLERS & THERMOMETERS



#98 Hydrometer Set - To insure an absolute correct specific gravity reading, the temperature of the electrolyte must be taken into consideration since the reading changes with the temperature. Reads specific gravity (1.140-1.300) and temperature (+30 to +130F). Accurate to 1 degree. 4 oz bulb capacity.

#99 Service Station Fleet Hydrometer - features float which measures specific gravity range of 1.150 - 1.300 in 5-degree increments. 18" overall.

#1 Float is 4" long and has specific gravity scale range of 1.100 - 1.300. Bulb capacity is 1 oz. Made of highest grade acid-resistant rubber. 12" length.

#50 Battery filler for filling and equalizing the solution in storage battery cells. 6 oz rubber bulb is good grade acid resistant. 5 1/2" length.

#113 Battery Thermometer. This instrument is designed to give you the temperature reading and gravity correction for the temperature indicated.

Roto-Molded Plastic Pallets

Roto-molded plastic pallets have proven superior in the movement and storage of raw materials and finished goods.

As a result, where strength, cleanliness, washability, and contamination reduction are all required—the conviction is—**WOOD IS OUT AND PLASTIC IS IN.**

The lifespan for a wood pallet, for example, is five to ten trips. A THERMODYNAMICS pallet can travel as much as 100 trips! Moreover, roto-molded plastic pallets have much

lighter weight and a far greater ability to adapt to diverse sizes and shapes than wood.

Plastic pallets are substantially lighter than wood and, therefore, additional savings in freight costs are achieved. Roto-molded plastic pallets are a one-piece integrally molded design that are non-absorbent and can be washed thus reducing product spoilage from contaminants such as nails and splinters.

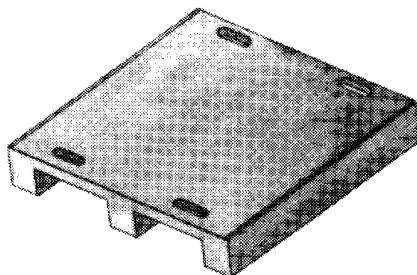
TR-034034-DU

34" x 34" x 5 1/4"

Designed for general industrial use.

Benefits

- Rackable (optional)
- Stackable
- Fork Lift (2 way)
- Pallet Jack (2 way)
- Molded-in raised lips (2 sides)
- Conveyable



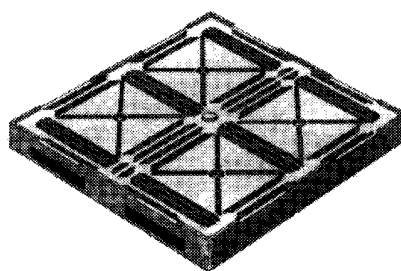
TR-048048-DP

48" x 48" x 6"

Designed for chemical and general industries to handle 55-gallon drums

Benefits

- Stackable
- Fork Lift (2 way)
- Molded-in raised lips (partial)
- Conveyable



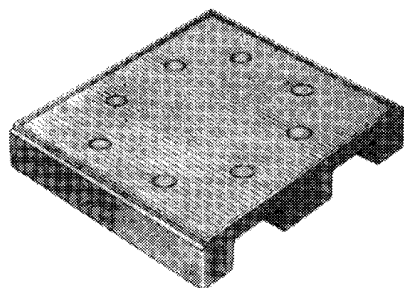
TR-036039-PR

36" x 39" x 7"

Designed for general industrial use.

Benefits

- Rackable (optional)
- Stackable
- Fork Lift (2 way)
- Pallet Jack (2 way)
- Molded-in raised lips around perimeter
- Conveyable



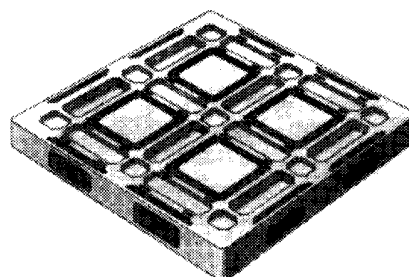
TR-048048-RPM

48" x 48" x 5"

Designed for general industrial use.

Benefits

- Rackable (optional)
- Stackable
- Fork Lift (4 way)
- Double faced
- Reversible
- Conveyable



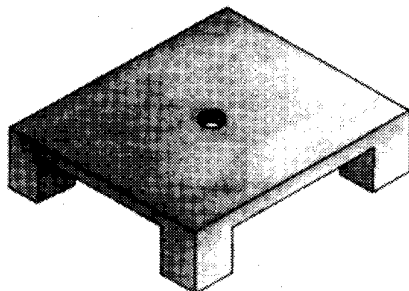
TR-033028-SWS

33" x 28" x 8 1/2"

Designed for general industrial use.

Benefits

- Rackable (optional)
- Stackable
- Fork Lift (4 way)
- Pallet Jack (4 way)
- 4 corner legs



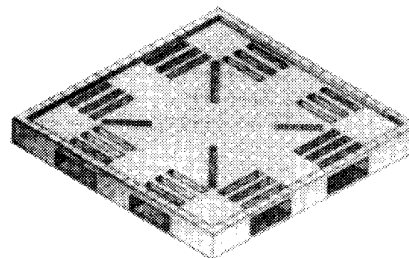
TR-048048-PAW

48" x 48" x 7 1/2"

Designed for general industrial use.

Benefits

- Rackable (optional)
- Stackable
- Fork Lift (4 way)
- Molded-in raised & notched lip
- Conveyable



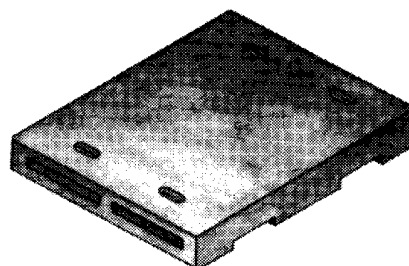
TR-048040-QT

48" x 40" x 6"

Designed for general industrial warehousing.

Benefits

- Rackable (optional)
- Stackable
- Fork Lift (4 way)
- Molded thru hand holes
- Slip sheetable (2 way)



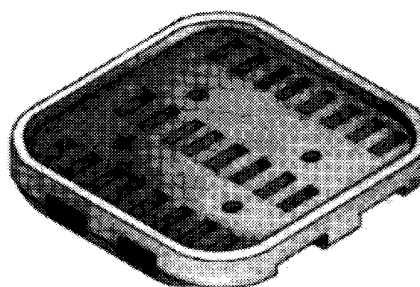
TR-060060-GEL

60" x 60" x 7 1/2"

Designed for general industrial use.

Benefits

- Rackable (optional)
- Stackable
- Fork Lift (4 way)
- Molded-in raised & notched lip
- Conveyable



Terms and Conditions of Sale

ACCEPTANCE OF ORDER; TERMINATION -

1. Acceptance of any order is subject to credit approval and acceptance of order by Seller and Seller's suppliers.
2. If Buyer's credit becomes unsatisfactory to Seller, Seller reserves the right to terminate upon notice to Buyer and without liability to Seller.

PRICES AND SHIPMENTS -

1. Due to market fluctuations, our prices are subject to change.
2. Unless otherwise quoted, all prices shall be those in effect at the time of shipment which shall be made F.O.B. shipping point.

PALLETIZATION FEE -

1. A \$25 fee will be added to orders that require the products to be palletized.
2. Orders that require custom palletization will be quoted on an individual order basis.

PAYMENT TERMS

1. All invoices to existing accounts in good standing are due net 30 days from date of invoice.
2. Pro Card, Visa, and Mastercard are accepted for payment at the point of sale.
3. C.O.D. shipments via UPS are also available.

RETURN OF GOODS

1. Credit will be allowed for goods returned within 30 days with prior approval.
2. A deduction of 10% will be made from credits issued to cover cost of handling.

TAXES -

1. Prices shown do not include sales or other taxes imposed on the sale of goods.
2. Taxes now or hereafter imposed upon sales or shipments will be added to the purchase price.
3. Buyer agrees to reimburse Seller for any such tax or provide Seller with acceptable tax exemption certificate in advance of sales shipment.

DELAY IN DELIVERY -

1. Seller is not to be accountable for delays in delivery occasioned by circumstances over which the Seller has no direct control.
2. Factory shipment of delivery dates are the best estimates of our suppliers, and in no case shall the Seller be liable for consequential or special damages arising from any delay in delivery.

SHORTAGES -

1. All claims for error on shortage must be made within 15 days of receipt of the merchandise.

MINIMUM ORDER REQUIREMENTS -

1. There is no minimum order requirement. If your order totals less than \$30.00 a \$5.00 handling charge will be added to the invoice.

LIABILITY -

1. Having no control over the use of our products, Seller assumes no liability connected with their use.
2. Under no circumstances are the Seller liable for any loss, damage or expense of any kind arising out of the use or the inability to use our products.

MODIFICATION OF TERMS AND CONDITIONS -

1. No terms and conditions other than those stated herein, and no agreement or understanding, in any way purporting to modify these terms or conditions, shall be binding on seller without Seller's written consent.
2. Terms and Conditions of Sale subject to change without notice.

CONVERSION FACTORS

AREA

1 sq. mile = 640 acres
1 acre = 4840 sq. yards
1 acre = 43,560 sq. ft.
1 sq. foot = 144 sq. inches
1 sq. yard = .836 sq. meters
1 sq. meter = 1.196 sq. yds.
1 sq. ft. = .0929 sq. meters
1 cir. mil = 7.854 x 10⁻⁷ sq. in.
1 cir. mil = .7854 sq. mils
1 sq. mil = 1.273 cir. mils
1 sq. inch = 6.452 sq. cm.
1 sq. cm. = .155 sq. inch

ANGLE

1 quadrant = 90 degrees
1 quadrant = 1.57 radians
1 radian = 57.3 degrees
1 degree = .0175 radian
1 minute = .01667 degrees
1 minute = 2.9 x 10⁻⁴ radian

LENGTH

1 mile = 5280 feet
1 mile = 1.609 kilometers
1 kilometer = .621 miles
1 yard = .9144 meters
1 meter = 3.28 feet
1 meter = 39.37 inches
1 meter = 1.094 yards
1 foot = 12 inches
1 foot = .3048 meters
1 inch = 2.54 centimeters
1 centimeter = .394 inches
1 fathom = 6 feet
1 rod = 5 1/2 yards

WEIGHT

1 short ton = 2000 pounds
1 short ton = 907.2 kilograms
1 kilogram = 2.205 pounds
1 pound = 453.6 grams
1 ounce = 28.35 grams
1 gram = .0353 ounces

DRY VOLUME

1 cu. meter = 1.308 cu. yards
1 cu. yard = .7646 cu. meters
1 cu. meter = 35.31 cu. feet
1 cu. foot = .0283 cu. meters

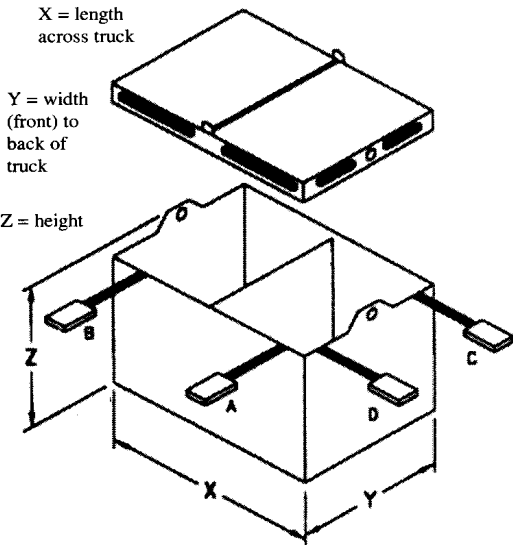
LIQUID VOLUME

1 U.S. gallon = 3.785 liters
1 liter = .2642 U.S. gallons
1 U.S. quart = .9463 liters
1 liter = 1.057 U.S. quarts

POWER

1 horsepower = 746 watts
1 horsepower = 33000 ft-lbs/min
1 horsepower = 550 ft-lbs/sec
1 BTU/hour = .293 watts
1 BTU = 252 gram-calories
1 BTU = 778.3 ft.-lbs.
1 KW = 1.34 Hp.

LAYOUT SPECIFICATION
FLOODED BATTERIES



IMPORTANT NOTES

- "X" & "Y" are the max. outside dimensions of the steel tray.
- "Z" is the max. height to the top of the closed cover, or to the top of the tray lifting ears.
- When a receptacle is mounted to the battery tray:
 1. indicate "X" or "Y" dimension where receptacle is attached, and
 2. add thickness to "X" or "Y" dimension as require.
- The inside dimensions of the battery compartment should be at least .38" greater than the "X" and "Y" battery dimensions. The inside height should be at least .75" greater than the battery heights shown without cover.

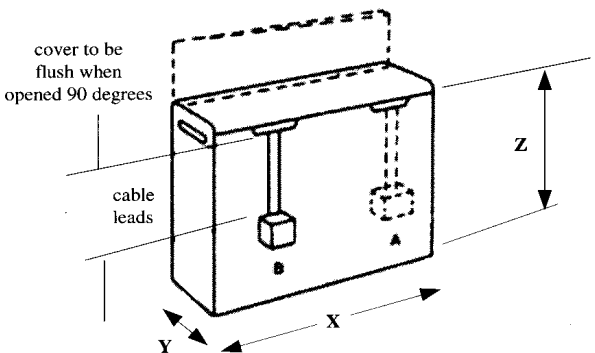
DECIMAL AND METRIC
EQUIVALENTS OF
COMMON FRACTIONS OF AN INCH

Fractions	Decimal	Mm	Fractions	Decimal	Mm
1/64	0.01562	0.397	33/64	0.51562	13.097
1/32	0.03125	0.794	17/32	0.53125	13.494
3/64	0.04688	1.191	35/64	0.54688	13.891
1/16	0.06250	1.588	9/16	0.56250	14.288
5/64	0.07812	1.984	37/64	0.57812	14.684
3/32	0.09375	2.381	19/32	0.59375	15.081
7/64	0.10938	2.778	39/64	0.60938	15.478
1/8	0.12500	3.175	5/8	0.62500	15.875
9/64	0.14062	3.572	41/64	0.64062	16.272
5/32	0.15625	3.969	21/64	0.65625	16.669
11/64	0.17188	4.366	43/64	0.67188	17.066
3/16	0.18750	4.763	11/16	0.68750	17.463
13/64	0.20312	5.159	45/64	0.70312	17.859
7/32	0.21875	5.556	23/32	0.71875	18.256
15/64	0.23438	5.953	47/64	0.73438	18.653
1/4	0.25000	6.350	3/4	0.75000	19.050
17/64	0.26562	6.747	49/64	0.76562	19.447
9/32	0.28125	7.144	25/32	0.78125	19.844
19/64	0.29688	7.541	51/64	0.79688	20.241
5/16	0.31250	7.938	13/16	0.81250	20.638
21/64	0.32812	8.334	53/64	0.82812	21.034
11/32	0.34375	8.731	27/32	0.84375	21.431
23/64	0.35938	9.128	55/64	0.85938	21.828
3/8	0.37500	9.525	7/8	0.87500	22.225
25/64	0.39062	9.922	57/64	0.89062	22.622
13/32	0.40625	10.319	29/32	0.90625	23.019
27/64	0.42188	10.716	59/64	0.92188	23.416
7/16	0.43750	11.113	15/16	0.93750	23.813
29/64	0.45312	11.509	61/64	0.95312	24.209
15/32	0.46875	11.906	31/32	0.96875	24.606
31/64	0.48438	12.303	63/64	0.98438	25.003
1/2	0.50000	12.700	1/1	1.00000	25.400

SHIPPING CLASSIFICATIONS

CLASS

Batteries or Cells,—wet filled with acid	70
Batteries or Cells,—storage wet, nonspillable	60
Battery Boxes, plastic, NOI (NMFC 60740)	150
Battery Boxes, steel, NOI (NMFC 60750)	100
Battery Chargers, 25lbs. or more (NMFC 61270-2)	70
Battery Jars, or Battery Jar Parts, rubber, in boxes	100
Battery Fluid, in carboys	100
Racks or Stands, battery, electrical equipment—SU	125
Racks or Stands, flat, in packages—KD	70



BATTERY INSPECTION REPORT

Date Picked Up _____
Requested Return By _____
Salesman _____
Serviceman _____

Dealer _____ Phone _____ Contact _____ PO # _____
User _____ Phone _____ Contact _____ PO # _____
Ship To _____ Special Instructions _____

Battery Mfg. _____ Serial # _____ Amperage _____
Battery Type _____ Starting Charge Rate _____
Battery Number _____ Age _____ Finish Charge Rate _____
Truck Number _____
Rental Needed: Yes No
Model # _____
Serial# _____
Date Delivered _____
Rental Fee \$ _____ Per _____
Date Returned _____

	VOLTS	SP. GR.		VOLTS	SP. GR.
Dimensions:	1. _____ / _____		13.	_____ / _____	
L. _____	2. _____ / _____		14.	_____ / _____	
W. _____	3. _____ / _____		15.	_____ / _____	
H. _____	4. _____ / _____		16.	_____ / _____	
Cover	5. _____ / _____		17.	_____ / _____	
Yes _____	6. _____ / _____		18.	_____ / _____	
No _____	7. _____ / _____		19.	_____ / _____	
Position	8. _____ / _____		20.	_____ / _____	
Lead	9. _____ / _____		21.	_____ / _____	
Length	10. _____ / _____		22.	_____ / _____	
Connector	11. _____ / _____		23.	_____ / _____	
Type	12. _____ / _____		24.	_____ / _____	

Visual Inspection
Electrolyte Level _____ Covers _____ Vent Inserts _____
Intercell Connectors _____ Tray _____
Receptacle _____ Cleanliness _____
Sealing Compound _____ Cables _____
Recommendations _____

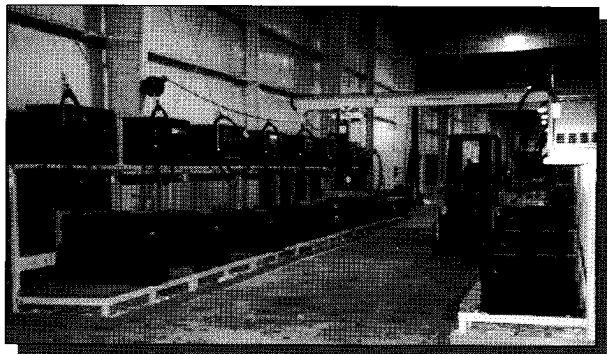
Parts to be Replaced

Price Ea. _____ \$ _____

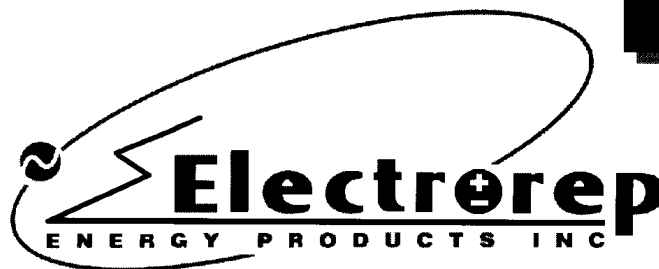
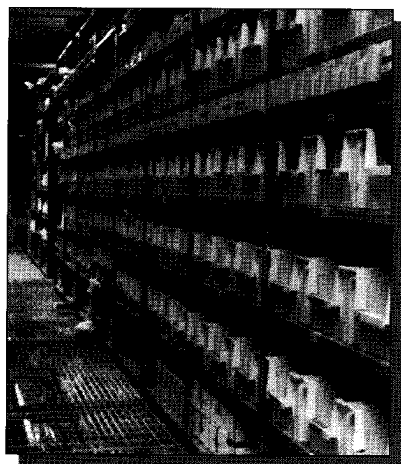
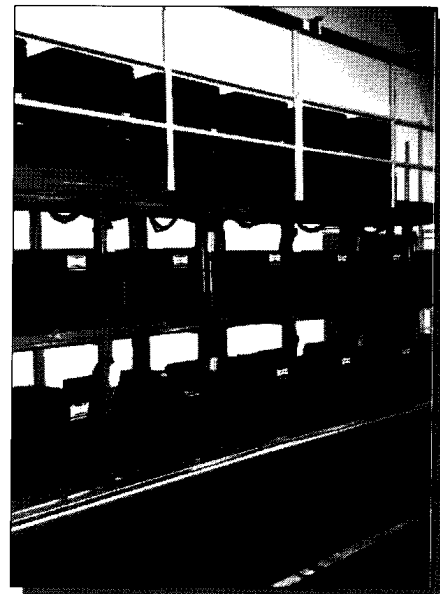
Price Ea. _____ \$ _____

Price Ea. _____ \$ _____
Reseal _____ cells @ \$ _____ per cell Total Reseal Cost \$ _____
Evaluation Fees \$ _____
Labor \$ _____
Other \$ _____
Subtotal _____
Tax @ _____ % _____
Total \$ _____

**With 9 Locations To Serve You and More On The Way, There Is An
Electrorep-Energy Products Location Near You!**



Professional
Assistance and
Installation Is
Available to Help
You Design Your
Battery Room



Where Our People Make The Difference

We Stock A Large
Variety Of Parts For
Most Brands Of
Batteries and Chargers

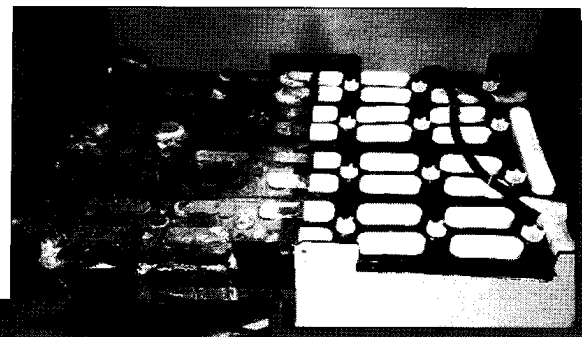


Our Preventive Maintenance Truck Will
Come To Your Location To Service Your
Batteries and Chargers On Site.

Professional
Servicing and
Reconditioning
Of Your Old
Battery.

Before

After



Our Large Inventory
Means You Get The
Selection And
Delivery When You
Have An Important
Deadline To Meet.

