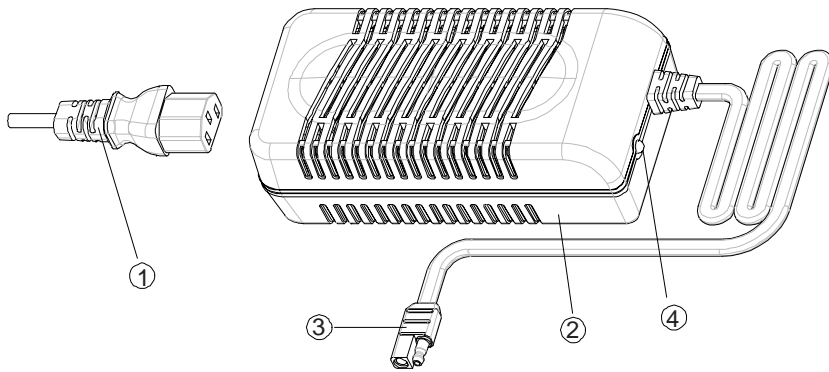


Figure 1 – Battery Charger



- 1 - IEC power cord
- 2 - Charger unit
- 3 - SAE plug
- 4 - Indicator light

### MAINTENANCE INSTRUCTIONS

**CLEANING** - Unplug the charger before attempting any cleaning. If it becomes necessary to clean the enclosure, wipe the exterior of the enclosure with a damp cloth and a mild detergent. Do not use an abrasive cleanser. Do not spray cleaners directly onto the charger or immerse in water.

### BATTERY CHARGER SPECIFICATIONS

Operating temperature	0° to 40° C (32° to 104° F)
Storage temperature	-40° to 80° C (-40° to 176° F)
Dimensions	H 3.8" (30.5cm)x W 2.8" (7.1cm)x D 2.8" (7.1cm)
Weight	1.2 lb (550 g.)
Power requirements	100 - 240 VAC, 50/60 Hz, 1.2Amp max.
Charging Amps	3 A
Charge voltage	14.7 VDC ± 0.5
Float voltage	13.8 VDC

# AUTOMATIC BATTERY CHARGER FOR SEALED LEAD-ACID BATTERIES

## USER'S MANUAL FOR A00921



990 Richard Avenue, Suite 110, Santa Clara, CA 95050, U.S.A.  
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## IMPORTANT SAFETY INSTRUCTIONS

Please retain these instructions for future reference. This manual contains important safety information concerning the operation of the charger. Before using the charger, please read all instructions and cautionary markings on the battery charger, the battery, and the product using the battery.

CAUTION - To reduce the risk of electric shock:

- Do not expose the unit to rain or moisture.
- Do not remove the cover. There are no user serviceable parts inside.
- Plug the battery charger directly into a grounding receptacle. An adaptor should not be used with this unit. The unit must be plugged into an outlet that has been properly installed and grounded in accordance with all local and national codes and ordinances.
- Never attempt any maintenance or cleaning of the charger while plugged in. Always remove charger from the AC power before attempting service or cleaning.

### WARNING

- Charge only sealed lead-acid batteries with this charger. Attempting to charge other types of batteries may result in personal injury and battery damage.
- The enclosure may become hot during the charge cycle.
- Where hydrogen gas is present, connect or disconnect the output connector only when the unit is disconnected from the AC power otherwise arcing and burning may result.

Make sure cords are located so that they will not be stepped on, tripped over, or otherwise subjected to damage or stress. Do not operate this unit with a damaged cord or plug - replace immediately. To reduce the risk of damage to the unit, pull by the plug body rather than the output cord when disconnecting the unit.

Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged. Do not disassemble the charger. Refer service to qualified service personnel.

Allow space around unit and adequate air circulation to reduce internal heat buildup.

## GENERAL DESCRIPTION

This unit is a two stage, constant voltage battery charger with current limiting, and current fold back of the output voltage. It is protected against shorting the output terminals and reversing the output terminals on a battery. There is one indicator light. The indicator light operates as follows:

- Red to indicate when power is applied.
- Orange when the unit is charging the battery.
- Green to indicate a full charge condition.

The unit is supplied with an SAE style connector, suitable for attaching to all Pacific Crest Corporation sealed lead-acid batteries with an SAE connector.

Note: This unit is not designed to operate as a power supply. Do not operate this unit in parallel with the battery connected to an operating system

## CHARGING NOTES AND TIPS

Make sure that you only charge the proper voltage battery. Trying to charge a lower voltage battery will cause severe overcharging the will damage the battery. Charging a higher voltage battery may damage the charger.

Allow the battery and charger to stabilize at room temperature before charging.

This charger is designed to charge sealed lead-acid batteries with capacities of 8 Amp Hour to 16 Amp Hour. Do not use this unit on batteries with lower or higher capacities.