

Introduction

The Battery Maximizer Mobility Charger is a safe, fully automatic, efficient, multi-stage full switching charger. It is designed to properly charge VRLA / SLA / AGM / Gel lead-acid batteries without having to worry about overcharging. It may be used in all parts of the world with its advanced universal AC input (100 or 240 VAC). The dual bi-color LEDs let you know the condition of the battery and if there are problems.

Instructions:

LED Function

LED	Condition
Power • (green) Charge • (red)	AC connection Batteries fast charging
Power • (green) Charge • (green)	AC connection Ready for use
Power • (red) Charge • (off)	Error; short circuit, leads reversed, battery disconnected or battery voltage less than 5VDC

Caution: If the “Charge” LED remains red for more than 24 hours. Unplug charger from AC power and check the batteries. There may be a problem with the batteries. Call for service if needed.

Charging: Before use, read all instructions and cautionary markings on charger, battery and mobility aid.

- Turn off all accessories on mobility aid device.
- Place charger in a safe clean environment on a hard surface.
- Plug connector to appropriate port on the mobility aid.
- Plug the charger to AC power (wall socket).

The charger will begin charging automatically. If the Green Power LED does not illuminate, check the connections.

It is recommended that the battery remain on charge for at least 4 hours after the “Charge” LED turns green (but not necessary). This will

maximize the battery runtime and improve the life of the battery. Charging the batteries for 48 continuous hours at least once a month may also improve battery performance as well. During storage, fully charge the batteries every 2 months.

If the Power LED is red, unplug the charger from the mobility aid and unplug from AC (wall socket). Wait 10 seconds and try again. If the Power LED remains red, call for service. *Note that if the battery voltage is less than 5 volts, the charger will not charge for safety reasons. Battery replacement may be necessary. Have the unit inspected by an authorized service center.*

Inhibit Function

The inhibit function will disable the mobility aid from moving when the charger is plugged in.

Specifications

Input

100–240 VAC, 50/60Hz

Output

24 Volt DC

Safety Listings

UL,CUL,CE

FCC Class B

Characteristics

Universal AC input

100 – 240V, 50-60Hz

Charge condition

Fast charge

29.4VDC

Absorption

29.4VDC

Float charge

27.6VDC

Reverse polarity protection

Over voltage protection

Short circuit protection

Light weight

Small size

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: For use with LEAD-ACID batteries **only**
VRLA, SLA, AGM, Gel

For indoor use only.

WARNING: To reduce risk of fire and electric shock,
install in a temperature and humidity controlled indoor area
free from dust and conductive contaminants.
Disconnect from AC power before cleaning.
Make sure battery(s) are clean and properly connected.
Keep away from heat, fire and water.

There are no user serviceable parts on this charger. If there
is a problem or the cords have been damaged, it must be
serviced by a qualified service personnel.

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following 2 conditions: (1) This
device may not cause harmful interference, and (2) this
device must accept any interference received, including
interference that may cause undesired operation.

Warranty

The warranty is for a period of 1 year from date of purchase
and covers manufactures defects. The charger will be
replaced or repaired at the manufactures discretion. Proof
of Purchase is required.

Battery Maximizer
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Battery Maximizer Mobility Lead-Acid Battery Charger Instruction Manual

24 Volt

VRLA / SLA / AGM / Gel

Fully Automatic

SAVE THESE INSTRUCTIONS
This manual contains important safety
and operating instructions