



## Automatic Battery Charger 6/12V 1,2A

### SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instruction. To reduce the risk of injury, please read all instructions and follow them with each use of this product.

### IMPORTANT SAFETY INSTRUCTIONS

#### **WARNING - BURST HAZARD**

Do not use the unit for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage property. Use the unit for charging/boosting a LEAD-ACID battery only.

#### **WARNING - SHOCK HAZARD**

- Do not operate unit with damaged cord or plug; or if the unit has received a sharp blow, been dropped, or otherwise damaged in any way. Do not disassemble the unit; incorrect reassembly may result in a risk of electric shock or fire.
- NEVER submerge this unit in water; do not expose it to rain, snow or use when wet.
- To reduce risk of electric shock, disconnect the unit from any power source before attempting maintenance or cleaning.

#### **WARNING - RISK OF EXPLOSIVE GASES:**

- Working in the vicinity of a lead acid battery is dangerous. Batteries generate explosive gases during normal battery operation. For this reason, it is of the utmost importance that each time before using the charger you read this manual and follow instructions exactly.
- To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in the vicinity of the battery.
- This equipment employs parts that produce arcs or sparks. Therefore, if used in a garage or enclosed area, the unit MUST be placed not less than 18 inches above the floor.
- **THIS UNIT IS NOT FOR USE BY CHILDREN AND SHOULD ONLY BE OPERATED BY ADULTS.**

#### **CAUTION - TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:**

- Pull cord by plug rather than cord when disconnecting the unit from the power source.
- NEVER ATTEMPT TO JUMP-START OR CHARGE A FROZEN BATTERY.
- When working with lead acid batteries, always make sure immediate assistance is available in case of accident or emergency.
- Always have protective eyewear when using this product: contact with battery acid may cause blindness and/or severe burns. Be aware of first aid procedures in case of accidental contact with battery acid.
- Have plenty of fresh water and soap nearby in case battery acid contacts skin.
- If battery acid contacts skin or clothing, wash immediately with soap and water for at least 10 minutes and get medical attention immediately.
- Never smoke or allow a spark or flame in vicinity of vehicle battery, engine or battery charger.
- Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead acid battery. A lead acid battery can produce a short circuit current high enough to weld a ring, or the like of a metal, causing a severe burn.
- Never allow battery acid to come in contact with this unit.
- Do not operate this unit in a closed area or restrict ventilation in any way.

#### **FIRST AID – SKIN:**

If battery acid comes in contact with skin, rinse immediately with water, and then wash thoroughly with soap and water. If redness, pain, or

irritation occurs, seek immediate medical attention.

• **FIRST AID –EYES:**

If battery acid comes in contact with eyes, flush eyes immediately, for a minimum of 15 minutes and seek immediate medical attention.

## PRODUCT FEATURES

- For all 6V and 12V lead acid batteries (WET, MF, AGM and GEL);
- Voltage auto detection;
- No risk of overcharging;
- Automatic charge and maintain;
- Electronically safe against user error;
- Full protected against short circuit and wrong connections;
- With a LED indicator;
- With quick disconnect leads

## OPERATING INSTRUCTIONS

1. Connecting the terminal rings/clamps directly to the corresponding connectors on the battery posts.

**Note:**

Make sure correct polarity connection before plugging in the AC power.

- Position the RED terminal on the POSITIVE post connector
  - Position the BLACK terminal on the NEGATIVE post connector
2. Connect the AC power cord with the AC power outlet.
    - Neither Red or Green light on: Charger is not properly connected to AC power. Check outlet and your connection.
    - Red light flashing: Battery charger has AC power and is functioning correctly. If the red light continues to flash, then either the battery voltage is too low or the output alligator or accessory ring terminals are not connected correctly.
    - Red light on steady: Battery is connected properly and the charger is charging the battery. The red light will remain on until the charger completes the charging stage.
    - Green light flashing: The battery is greater than 80% charged.
    - Green light on steady: The charge is complete and the battery is 95-100% charged (Assuming a healthy battery).
  3. Unplug the charger from the AC power outlet after every use, or just leave it connected to monitor and maintain the battery.

## TECHNICAL DATA:

<b>Input Voltage:</b>	200 - 260VAC, 50Hz
<b>Output Voltage:</b>	6 / 12V
<b>Charging Voltage:</b>	6V (7.2V $\pm$ 0.2V) / 12V (14.4V $\pm$ 0.25V)
<b>Charging Current:</b>	1,2A
<b>Max Power:</b>	20 W
<b>Surrounding Temperature:</b>	-10°C do 40°C
<b>IP-class:</b>	IP 65
<b>Dimensions:</b>	10,62x5,29x3,4cm
<b>Weight:</b>	234,5g