



# ATD-5915 6V/12V AUTOMATIC BATTERY CHARGER / MAINTAINER OWNER'S MANUAL



## Features:

- Works on 6 and 12 Volt systems
- 1.5 Amp 12 Volt charge rate
- Fully automatic operation
- Multi-stage charging process
- Safe for all lead acid battery types (WET, MF, AGM and GEL)
- Maintains batteries once full charge has been reached
- LED charging status light
- Reverse polarity indicator
- Overcharge and short circuit protection
- IP65 rated for dust and water resistance

## Specifications:

- Input voltage: AC 100~240 Volt, 50/60Hz
- Output voltage: DC 6/12 Volt
- Maximum charging current: 1.5 Amp
- Battery types: 6/12 Volt lead-acid batteries (WET, MF, AGM and GEL)

## Includes:

- Portable battery charger
- 18 AWG 11.8" alligator clips wire (red and black)
- 18 AWG 11.8" terminal lead wire (red and black)

## **SAFETY**

Children or persons who lack the knowledge or experience to use the device or whose physical, sensory or intellectual capacities are limited must never be allowed to use the device without supervision or instruction by a person responsible for their safety. Children should be supervised in order to ensure that they do not play with the appliance.

**⚠ WARNING:** Never use the charger for charging of non-rechargeable batteries.

During charging, place the removed battery on a well-aired surface.

The automatic operating mode and the restrictions in use are explained further below in these instructions.

### **⚠ DANGER OF ELECTRIC SHOCK!**

- Do not operate the appliance if the cables, the AC power cord or AC plug are damaged. A damaged AC power cord is a life-threatening danger due to electric shock.
- Before connecting to the power, ensure that the power connection is grounded, is 100V - 240V 50/60Hz, and is fused and equipped with a circuit breaker in accordance with the current regulations. Disconnect the charger from AC power before you make or break connections to the battery.
- First, connect the positive (red) clamp to the positive terminal of the battery. Then connect the negative (black) clamp to a grounded part of the vehicle, away from the battery and fuel lines. Then connect the charger to the AC power.
- After charging, disconnect the charger from the AC power. Then remove the negative (black) clamp from the ground point, and then remove the positive (red) clamp from the battery terminal.

### **⚠ DANGER OF EXPLOSION AND FIRE HAZARD!**

- Protect yourself from a highly explosive hydrogen-oxygen reaction. Use in a well ventilated area.
- Ensure that during charge and charge retention procedures, there are no flames or sparks.
- Ensure that the positive (red) cable does not come into contact with fuel lines or grounded metal.
- Ensure the charger and contacts are away from metal or ANY conductive materials.

### **⚠ DANGER OF CHEMICAL BURNS!**

- Wear protective glasses, wear protective gloves. If eyes or skin has come into contact with battery acid, rinse the affected body region off with a large amount of clean water and soap.
- To avoid causing a short circuit when connecting the charger to the battery, connect the negative (black) connector only to the negative battery post or to a ground point of the vehicle such as the frame or body. connect the positive (red) connector only to the positive pole of the battery.
- Do not place the charger close to fire, heat or in places with long-term exposure to temperatures over 122° F (50°C).
- Ensure that no fuel lines, electrical wires, hydraulic or water pipes are damaged by the screws while mounting the charger.
- Do not cover the charger with anything. Always protect the electrical contacts of the battery and charger from short circuiting.
- Only use the charger for charging and for float charging retention of 6V/12V lead batteries. Do not charge frozen batteries.

## **LED INDICATORS:**

1. 6V Indicator  : GREEN - Charging a 6V battery
2. 12V Indicator  : GREEN - Charging a 12V battery
3. Charging Indicator  : RED STEADY - Charging. GREEN - Fully Charged.  
RED BLINKING - Wrong selection of battery voltage, press button  to change battery voltage type.
4. Reverse Polarity Indicator  : RED - Reverse polarity.
5. If only connecting the power outlet, not connecting the battery, the 12V indicator and charging indicator will be green.
6. If only connecting the battery, not connecting the power outlet, none of the indicators will light.

## **6V/12V SELECT BUTTON:**

The unit has two voltage rate settings, 6V and 12V, controlled by one button.

Press the button to select 6V or 12V, according to the voltage of the battery that you are charging.

If the battery is a 12V battery, but you select the 6V charging voltage, the charging indicator will blink.

If the battery is a 6V battery, but you select the 12V charging voltage, the charger will charge for 15 minutes and then change to 6V charging mode.

## **MOUNTING INSTRUCTIONS:**

The battery charger is designed to be able to mount to a flat surface with the two holes at the corners of the unit.

**Note:** Always disconnect the charger from AC power source and battery terminal when mounting the unit.

## **OPERATING INSTRUCTIONS:**

**IMPORTANT:** ALWAYS disconnect the AC power cord from the AC power outlet before connecting (or disconnecting) the charger to (or from) the battery.

Connect the charger to the battery with clamps or ring terminals:

The charger's output leads have color-coded battery clamps (RED = POSITIVE and BLACK = NEGATIVE).

1. Connect the RED POSITIVE clamp (or ring terminal) to the POSITIVE post of the battery.
2. Connect the BLACK NEGATIVE clamp (or ring terminal) to the NEGATIVE post of the battery.
3. Connect the battery clamp (or ring terminal) connector with the unit connector, as far away from the battery as possible.
4. Plug the AC cord into the AC wall outlet.
5. Press the voltage button and select the correct charging voltage. Observe the voltage indicator is GREEN and charging indicator is RED, the charger is in operation.
6. Leave the unit on.
7. Charge and monitor the battery from time to time.

## **TROUBLESHOOTING:**

Common Problem	Possible Solutions
charger not charging	<ul style="list-style-type: none"><li>• Check if the charger is properly connected to a live AC outlet (both 12V LED and Charging LED will illuminate)</li><li>• Check if the correct voltage setting has been selected for the battery being charged.</li><li>• If the battery to be charged has fallen below 2 Volts, the battery cannot be recharged with this charger.<ul style="list-style-type: none"><li>- Make sure output connections are secured.</li><li>- Check correct polarity connection.</li><li>- If the charger can not detect the battery voltage, the charger will not run.</li></ul></li></ul>

## **CARE AND MAINTENANCE**

With proper care and minimal maintenance, this charger will provide years of dependable service. For maximum performance, please follow below tips:

1. After each use, clean the battery charger clamps; be sure to remove any battery fluid that will cause corrosion of the clamps.
2. Clean the outside case of the charger with a soft cloth and if necessary, mild soap solution.
3. Do not allow liquid to enter the charger. Do not operate when charger is wet.
4. Keep the charger cords loosely coiled during storage to prevent damage to the cords.

## **Parts Available:**

PRT5915-01 - 7.5A Fused Connector

PRT5915-02 - Clamp Connector