

## Chennic Smart Charger for Lead-Acid Battery (CY-900)



**Please read this manual carefully before use the charger!**  
**For more information please contact:**

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## A. Features:

1. Short-circuit protection; Charger O/P cut-off automatically when short circuit.
2. Overload Protection; Charger O/P current-limited automatically when overload.
3. Reverse Polarity Protection; Charger O/P cut-off automatically when batteries reverse connection.
4. Automatic multi-rate charging function; CC. CV. Cut-off
5. Parallel operation available; Parallel with battery as Dc power supply operation available.
6. 2 LED Display: LED1 Red (power on); LED2 Red (charging); Green (full).

## B. Operations:

1. Check if your local mains supply conforms to charger's input voltage 110V or 220V. Then connect the charger system to a wall socket strongly.

**Warning: do not connect to a wrong input voltage, or charger will be broken.**

2. LED1 RED confirms AC power on. and LED2 GREEN confirms charger connects well.

**Note: If the charger has a Power Switch at AC side please turn on if firstly**

- 3 Connect the plug or DC output cord to battery terminals LED2 light turns to RED ,and if goes to GREEN, it confirms battery fully charged.

(N->positive +; L->Negative - ; Brown -> +ve terminal, Blue -> -ve terminal).

**Note:** If this charger with a Relay for Reverse Polarity Protection, it doesn't have output voltage and current when charger power on but disconnecting with the battery, It will have voltage and current output when it connects with battery. If the chargers don't have a Relay for Reverse Polarity Protection, it has output once the power on.

## C. Notices:

1. Charger will turn off automatically if it was not connected to battery for 1-3 minutes after power on, please start it again.
2. This charger is designed for charging lithium battery. Lead acid battery is available after adjustment.
3. The battery maybe damaged if LED2 cannot be changed to green after long time charging
4. Always place the charger in well-ventilated and dry environments
5. The charger is designed by aluminum housing as itself heat sink, don't cover it avoiding over temperature on the case when charging.
6. Charger should be power on for 2 hours once a month

## D. Smart Charger for Lead acid Batteries Specification

**Model:CY-900**

### DC Output

DC Output voltage-maximum: 58.8V+/-0.3V

DC Output Current-maximum: 15A+/- 0.5A

### AC input

AC Input voltage- range: 100~260VAC

AC Input voltage-nominal: 110VAC/220VAC

AC Input Frequency: 50~60HZ

### Mechanical

Dimensions: 135\*230\*70mm

Net Weight: 3.0KG.

Operating Temperature: 57.2°F ~113°F (-10~45°C)

Storage Temperature: -40°F ~158°F (-40~70°C)

AC Input: Customized .1.5 meter cable

DC Output: customized, 1.5 meter cable

### Charging mode

CC (constant current) stage: 15A

CV (constant voltage) Stage: 58.8V, 15A

Float point: 54.0V, 3A

### Regulatory

Safety Standard: CE Listed .UL compliant

Safety-Europe .EN60335-2-29.2002

### Packing List:

Charger 1 User Manual 1

DC Power cord 1 AC Power cord 1

