

BATTERY CHARGER USER MANUAL

Operating Instructions for chargers

Our battery chargers are technologically advanced with complete circuit. Imported integrated PWM is adopted for control. Functions of automatic voltage stabilization and current-limit charging are provided in order to work properly even in the regions of power fluctuation.

Technical Specifications Table:

Item	Input Voltage (AC)	Output Voltage (DC)	Output Current (OUT)	Output power (HP)
12V/10A	210V-240V	12V-14.7V	0.5A-10A	150W
12V/15A	210V-240V	12V-14.7V	0.5A-15A	220W
12V/20A	210V-240V	12V-14.7V	0.5A-20A	300W
12V/30A	210V-240V	12V-14.7V	0.5A-30A	450W
12V/40A	210V-240V	12V-14.7V	0.5A-40A	600W

LED light to indicate: The level voltage of battery

100%	75%	50%	25%	5%
●	●	●	●	○
red	green	green	green	yellow

Instructions for operation:

- 1) The charger is design for charging Lead Acid Battery or Gel Battery. Be sure it is suitable to your storage battery and voltage before the usage, and charger current is enough to assure the charging completely finished on time.
- 2) Turn the switch off before connecting to the storage battery, then correctly **connect charger positive (red) clip to positive storage battery post, and the negative (black) clip to the negative post(Attention: ※reverse connection will cause damage to the charger)**. Connect the charger with 220vac city power, turn on the switch, and charging begins. Please keep charging for extra one hour at least when the red LED is bright.
- 3) Automatic floating charge situation will be reached when the battery is full. Damages caused by over-charge will be avoided.

Warnings:

- 1) The plug must be unplugged before disconnection and connection of the storage battery, OTHERWISE damage to the charger may be caused.
- 2) Although the charger is equipped with comprehensive protection functions, moisture-proof, humid-proof and high-temperature-proof shall be your concerns of the working environment, OTHERWISE the lifespan of the charger will be shortened.
- 3) Check whether the fuse is burned out or battery cord is mis-connected when the charger does not work properly, such as the charging LED light is off or no current for charging.
- 4) If not in use for a long term, frequent floating-charge for the storage battery, check of the battery water and battery cleaning are necessary to protect the storage battery.