

USERS MANUAL

29.4V15A Lead Acid Battery Charger



INSTRUCTION:

Thank you for purchasing our product. Please read the entire instruction strictly to use this charger. It is an economic, high quality, 100-240V AC balance charger.

Charging program consists of 3 steps: constant current, constant voltage and float charging. The chargers provide protections against overload, over-voltage, over-heating, short circuit and reverse polarity connections.

SPECIFICATIONS:

DC Output	
Maximum DC output voltage	29.4 V
Maximum DC output current	15 A
Maximum DC output power	430 W
Nominal DC output current	15A @ 110 VAC, 15A @ 220 VAC
Battery type	Lead Acid
AC Input	
AC input voltage range	85-265 VAC
Nominal AC input voltage	100-240 VAC
Nominal AC input frequency	50 / 60 Hz
Maximum AC input current	8A
Nominal AC input current	6A
Power factor	>0.9
Mechanical	
Dimensions	18.2 x 10.5 x 6.5 cm (7.16 x 4.13 x 2.55")
Weight	4 lbs (1.8 kg)
Cooling	Active cooling with fan
Environmental	
Enclosure	IP65
Humidity	5% — 95%
Operating temperature	-20°C to 80°C (-10°F to 176°F), Derated at >60°C (140°F)
Storage temperature	-40°C to 85°C (-40°F to 185°F)

LED LIGHT STATUS:

LED	Charger Status
1. Yellow light blinks 2 times per second.	AC input is ready,battery is not connected yet.
2. Red light blinks 1 time per second.	Charging, battery power is below 80%.
3. Yellow light blinks 1 time per second.	Charging, battery power is between 80% and 90%.
4. Green light blinks 1 time per second.	Charging,battery power is between 90% and 100%.
5. Green light is still on.	Charging is complete.
6. Red light blinks 2 times, interval 1 second, 2 times again.	Charger temperature overheating alarm.
7. Red light blinks 3 times, interval 1 second, 3 times again.	Output over-current alarm.
8. Red light blinks 4 times, interval 1 second, 4 times again.	Output over-voltage alarm.
9. Red light blinks quickly.	Input power failure.
10. Red and green light blinking alternately.	The output is short-circuited or the positive and negative poles of the battery are reversed.

If there is a problem with the charger, the fan will stop rotating and the LED indicator will blink red light to give an error warning. Please disconnect the charger from the wall socket.

WARNING AND SAFETY NOTES

Ensure the battery system has the properly rated voltage,amp hours and type for this charger.

Never leave the charger unattended when it is connected to its power supply.

The allowable AC input voltage is 100-240V AC. Never connect it to any other voltage.

Never place the charger and batteries connected to it on any form of flammable surface. Never operate the charger in the vicinity of inflammable material or gas.

Ensure that there is an unrestricted airflow to and from the charger's cooling slots. Never place the charger on a carpet or similar surface.

Never operate this charger if it has received any physical damage,been dropped,or received a sharp blow.

Do not disconnect the DC charging cord while charger is operating.This can cause arcing and/or explosion.

Never charge a frozen or non-rechargeable battery as they may explode,causing injury,death,property damage,and/or fire.

To reduce risk of fire,do not use it near flammable materials or vapors.Always use the charger on a non-combustible surface (Metal,brick,concrete,etc)

Take great care to maintain correct battery polarity to avoid shot-circuit.There is information on charger to show wire color and polarity.

Read the battery manufacturer's instructions and adhere to them strictly.