

Lead Acid Battery Charger
USERS MANUAL
 (E8-JFBM-24V25A)

Thank you for purchasing our product. Please read the entire instruction strictly to use this charger.

FEATURES:

It is an economic, high quality, intelligent, 100-240Vac Input balance charger.

Charging program consists of 5 steps: Pre-charge, Constant current, Constant voltage, Float-charge and Shut-off Automatically.

The chargers provide protections against Over-load, Over-voltage, Over-current, Over-heating, Short-circuit and Reversed polarity connections.

SPECIFICATIONS:

DC Output	
Maximum DC output voltage	29.4 V
Maximum DC output current	25 A
Maximum DC output power	720 W
Nominal DC output current	23A @ 110Vac, 25A @ 220Vac
For Battery type	24V Lead Acid Battery
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	10A @ 110Vac, 5A @ 220Vac
Nominal AC input current	7A @ 110Vac, 3.5A @ 220Vac
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	IP66
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)

INSTRUCTIONS:

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

- 1,First connect charger DC wires to battery system correctly.
- 2,Then connect charger AC plug to wall socket (100-240Vac).
- 3,The charger will start automatically if the battery is not full.
- 4,Ensure the charger is working well by checking the status of LED indicator.
- 5,After charging is complete,please disconnect charger AC plug and stock it in proper place.

LED INDICATOR:

LED Lights	Charger Status
Yellow light blinks quickly:	Load error
Red light blinks slowly:	Charging.Battery capacity is under 80%.
Yellow light blinks slowly:	Charging.Battery capacity is between 80% and 90%.
Green light blinks slowly:	Charging.Battery capacity is between 90% and 100%.
Steady green light:	Charging is complete.
Red light blinks quickly:	Input power failure.
Red light and green light blinks alternately:	Short-circuited or reversed connection.
Red light blinks 2 times, interval 1 second, then 2 times:	Over-heating alarm.
Red light blinks 3 times, interval 1 second, then 3 times:	Output over-current alarm.
Red light blinks 4 times, interval 1 second, then 4 times:	Output over-voltage alarm.

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:

- Never leave the charger unattended when it is connected to its power supply.
- Never place the charger connected with batteries 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 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)

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