

## Lithium Battery Charger

**USERS MANUAL**

(E8-JFBP-28.8V25A)

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 Trickle charge.

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

**SPECIFICATIONS:**

<b>DC Output</b>	
Maximum DC output voltage	28.8 V
Maximum DC output current	25 A
Maximum DC output power	720 W
Nominal DC output current	23A @ 110Vac, 25A @ 220Vac
For Battery type	8S LiFePO4 Battery
<b>AC Input</b>	
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
<b>Mechanical</b>	
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
<b>Environmental</b>	
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)

**INTRUCTIONS:**

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
Steady green light:	Ready to charge, or Charging is complete.
Green light blinks:	Charging.
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.