48 Volt / 15 Amp LIFEP04 Lithium

BATTERY CHARGER



1. Brief Introduction

1.1 The charger is used for maintenance-free lifepo4 batteries and adopts a fully enclosed potting and thermal silica process with good vibration resistance and heat dissipation performance.

Material : Aluminium housing Mainboard : MCU control Size : L280*W170*H85mm

Input socket: meets IEC standard, as customer' requirement

Output plug: as customers' requirement

AC wire length: 1.5m DC wire length: 1.5m Not Waight: 4 0 V a

Net Weight: 4.0 Kg

2. Technical Parameter

Max.output	Input voltage	Frequency	Max Output voltage	Accuracy	Output	Accuracy
900W	200-240 or 100-130Vac	47-63HZ	58.4V+/-0.2Vdc	+/-0.2V	15A	+/-0.2A

	Power efficiency	≥88%	
Others	IP grade	IP67	
	Working temperature	-35°C ~ +78°C	
	Storage temperature	-40°C ∼ +80°C	

3. Charger Protection Function

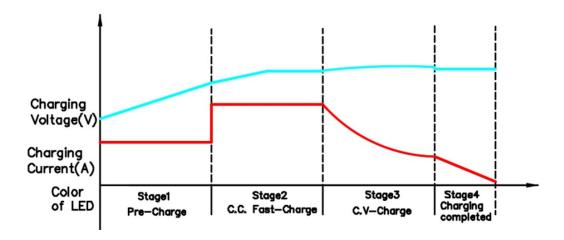
- 3.1 Over voltage protection: If the charger exceeds the maximum set voltage and will automatic protect
- $3.2\,$ Over current protection: If the charger output current exceeds the maximum charging current, it enters the current protection state
- 3.3 Over temperature protection: If charger's inside temperature up to about 78°C, The output power of the charger is halved into the protection state until normal operating temperatures will be continue charging
- 3.4 Short circuit protection: If a short-circuit is detected, the charger will automatically shut down. The charger will resume normal charging once the short-circuit is no longer detected.
- 3.5 Reverse polarity protection: If output wire are reversely connected to the batteries, the charger will not operate and will work normally when DC wires are correctly connected.

4. Led indicator status

No.	Item	Status	
1	Standby state (No output)	LED : green	
2	Charging <80%	LED : Red	
3	Charging > 80%	LED: Yellow	

 3	Full charged	LED : Green	
4	fault exception such as overcharge, over current etc	LED : Green / Yellow flashing	

5. Charging Curve



Mode	Output Voltage	Output Current	status		
Pre-Charge	20~38V ± 1.0V	5.0A ± 1.0A	Constant Current		
	Charging the battery by 5.0A constant current.				
C.C. Fast Charge	38~58.4V ± 1.0V	$15.0A \pm 0.2A$	Constant Current		
	A constant current .				
C.V mode	$58.4V \pm 1.0V$ $15.0A \rightarrow 0.75A$ Cons		Constant Voltage		
	Charging the battery by 57V constant voltage.				
	$58.4V \pm 0.2V$	$0.75A (\pm 0.2A)$	Cutoff Output		
Charging completed	After charging is complete, the output is turned off.				