



PSC-1220000-LIFE-EU 4-CELL 20.0A

LiFePO4 Battery Charger
PSC-LiFe Battery Charger Series

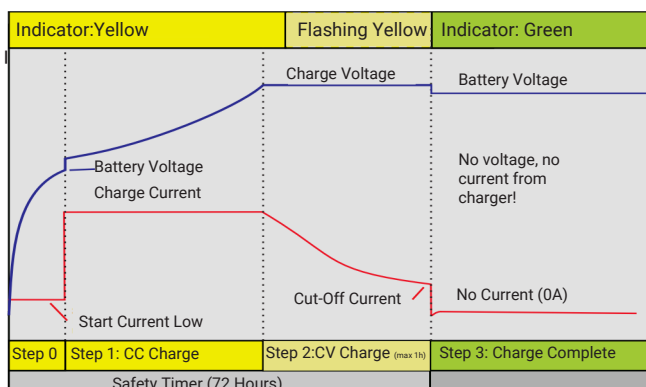
FEATURES

- 3-step charge control with current detection
- Input voltage 198 - 264 VAC
- Wake up and low current start-up of deeply discharged batteries
- Error indication for reverse polarity, defect battery & safety timer run-out

APPROVALS

- DOE compliant
- ISO9001:2015 – Quality management systems
- CE compliant
- Medically certified EN60601-1 3.1 & EN60601-1-2 4
- UL approved

CHARGER DIAGRAM



GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

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PERFORMANCE SPECIFICATIONS

Input voltage	198 - 264 VAC
Line frequency	47 - 50Hz
Switch frequency, approx	65 kHz
Leakage current from battery with mains switched off	<170µA@14.6V
Operating temperature	-25 °C - +40 °C
Storage temperature	-25 °C - +65 °C
Derating	14A @ 40 °C
Max output power	292W
Charge Control (see charger diagram)	
Step 0 < 10min (Yellow)	Low current start-up for: CC 1.0A±0.2A when batt volt < 10.5V
Step 0 > 10min (Red: 4 blinks)	Battery voltage too low: 0A / 0V
Step 1 (Yellow)	Charge current: 20A ±0.3A
Step 2 (Flash yellow)	Charge voltage: 14.6V ± 0.1V
Step 3 (Green)	Charge term when current is: < 1.0A or max. 1 hr.
Restart	13.2V
Protection	Protected against reversed polarity, short circuit and thermal run-off
Insulation class	Class II
Insulation voltage	
Primary	4000VAC
Secondary	5700VDC
Electrical safety	EN60601 (Edition 3.1)
EMC standards	EN60601-1-2:2015 (Edition 4)
Input terminal	2-pin IEC 60320 connector
Output terminal	Battery clips
IP rating	IP44
Dimensions (LxWxH)	210 x 113 x 53mm
Weight	1150g