

KEEPING YOU IN CHARGE







PSC-2410000-LIFE-US 8.5A

LiFePO4 Battery Charger PSC-LiFe Battery Charger Series

FEATURES

- 3-step charge control with current detection
- Input voltage 100-127 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 & EN60601-1-24
- III approved

PERFORMANCE SPECIFICATIONS

Input voltage	100 - 127 VAC
Line frequency	50 - 63Hz
Switch frequency, approx	65 kHz
Leakage current from battery with mains switched off	<160μA@29.2V
Operating temperature	-25 °C - +40 °C
Storage temperature	-25 °C - +65 °C
Derating	5.5A @ 40 °C
Max output power	292W
Charge Control (see charger diagram) Step 0 < 10min (Yellow) Step 0 > 10min (Red: 4 blinks) Step 1 (Yellow) Step 2 (Flash yellow) Step 3 (Green)	Low current start-up for: CC 0.8A±0.2A when batt volt < 21V Battery voltage too low: 0A / 0V Charge current: 8.5A ±0.3A Charge voltage: 29.2V ± 0.2V Charge term when current is: < 0.8A
Restart	or max. 1 hr. 26.4V
Protection	Protected against reversed polarity, shor circuit and thermal run-off
Insulation class	Class II

CHARGER DIAGRAM

Indicato	r:Yellow		Flashing Yellow	Indicator: Green
			Charge Voltage	Battery Voltage
	Battery Voltage Charge Current			No voltage, no current from charger!
	Start Current Low		Cut-Off Current /	No Current (0A)
Step 0 St	tep 1: CC Charge	Ste	ep 2:CV Charge (max 1h)	Step 3: Charge Complete
Safety Timer (72 Hours)				

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GLOBAL HEADOUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation 365 Cabela Dr Suite 300, Reno, Nevada 89523 USA

T: +1 619 661 2020

E: customer-service@power-sonic.com

POV

(EME

Smitspol 4, 3861 RS Nijkerk, The Netherlands

T NL: + 31 33 7410 700 TUK: +44 1268 560 686 **TFR:** + 33 344 32 18 17

E: salesEMEA@power-sonic.com

 UL approved 	Restart	26.4V
	Protection	Protected against reversed polarity, short circuit and thermal run-off
	Insulation class	Class II
low Indicator: Green Battery Voltage	Insulation voltage Primary Secondary	4000VAC 5700VDC
No voltage, no current from	Electrical safety	EN60601 (Edition 3.1)
charger!	EMC standards	EN60601-1-2:2015 (Edition 4)
No Current (0A)	Input terminal	Fixed US cord
	Output terminal	Battery clips
Step 3: Charge Complete	IP rating	IP44
OWER-SONIC EMEA	Dimensions (LxWxH)	210 x 113 x 53mm
NEA - EUROPE, MIDDLE EAST AND AFRICA)	Weight	1400g

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