

## **KEEPING YOU IN CHARGE**





# PSC-1220000-LIFE-US 4-CELL 17.0A

**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
- UL approved

#### PERFORMANCE SPECIFICATIONS

**EMC** standards

Input terminal

**Output terminal** 

Dimensions (LxWxH)

IP rating

Weight

I LIVI OVIMANOL SI LOII IOATIONS	
Input voltage	100 - 127 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	13A @ 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) Restart	Low current start-up for: CC 1.0A±0.2A when batt volt < 10.5V  Battery voltage too low: 0A / 0V  Charge current: 17A ±0.3A  Charge voltage: 14.6V ± 0.1V  Charge term when current is: < 1.0A or max. 1 hr.  13.2V
Protection	Protected against reversed polarity, shor circuit and thermal run-off
Insulation class	Class II
Insulation voltage Primary Secondary	4000VAC 5700VDC
Electrical safety	EN60601 (Edition 3.1)

### **CHARGER DIAGRAM**

Indicator: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 Step 1: CC Charge S	Step 2:CV Charge (max 1h)	Step 3: Charge Complete
Safety Timer (72 Hours)		

#### **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

#### **POWER-SONIC EMEA**

(EMEA - EUROPE, MIDDLE EAST AND AFRICA)

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

To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website. © 2020. Power-Sonic Corporation. All rights reserved. All trademarks are the property of their respective owners. All data subject to change without notice. E&O.E

EN60601-1-2:2015 (Edition 4)

Fixed US cord

**Battery clips** 

210 x 113 x 53mm

IP44

1400g

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Power-Sonic:

PSC-1220000-LIFE-DOE