



## PSC-2410000-LIFE-US **8-CELL** **8.5A**

LiFePO4 Battery Charger  
PSC-LiFe Battery Charger Series

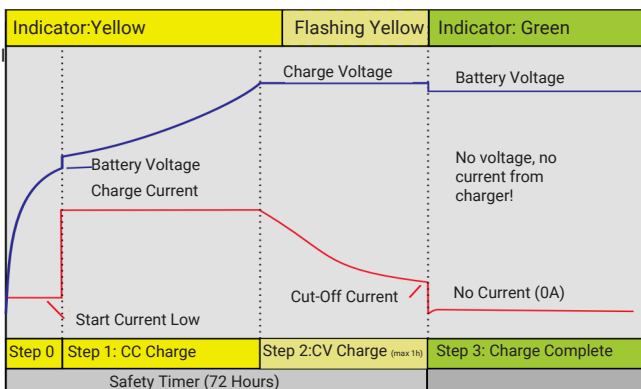
### FEATURES

- 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 & EN60601-1-2 4
- UL approved

### CHARGER DIAGRAM



#### GLOBAL HEADQUARTERS (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)

Smitzspol 4, 3861 RS Nijkerk,  
The Netherlands  
T NL: + 31 33 7410 700  
T UK: + 44 1268 560 686  
T FR: + 33 344 32 18 17  
E: salesEMEA@power-sonic.com

### 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
<b>Charge Control (see charger diagram)</b>	
Step 0 < 10min (Yellow)	Low current start-up for: CC 0.8A±0.2A when batt volt < 21V
Step 0 > 10min (Red: 4 blinks)	Battery voltage too low: 0A / 0V
Step 1 (Yellow)	Charge current: 8.5A ±0.3A
Step 2 (Flash yellow)	Charge voltage: 29.2V ± 0.2V
Step 3 (Green)	Charge term when current is: < 0.8A or max. 1 hr.
Restart	26.4V
<b>Protection</b>	Protected against reversed polarity, short circuit and thermal run-off
<b>Insulation class</b>	Class II
<b>Insulation voltage</b>	
Primary	4000VAC
Secondary	5700VDC
<b>Electrical safety</b>	EN60601 (Edition 3.1)
<b>EMC standards</b>	EN60601-1-2:2015 (Edition 4)
<b>Input terminal</b>	Fixed US cord
<b>Output terminal</b>	Battery clips
<b>IP rating</b>	IP44
<b>Dimensions (LxWxH)</b>	210 x 113 x 53mm
<b>Weight</b>	1400g