

# NiCd & NiMH BATTERY CHARGER

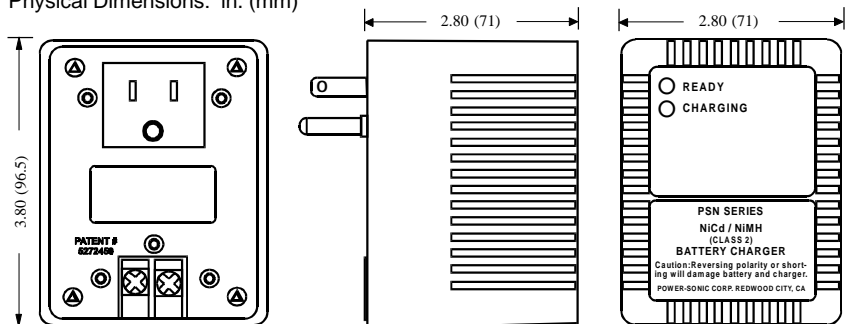
## PSN-Series



Power-Sonic's PSN-Series are electronically regulated, current-limited 2-stage chargers for nickel-cadmium and nickel metal-hydrate batteries. These chargers work with up to twelve cells ranging in size from 500 mAh to 5Ah. Each charger is individually calibrated to the battery pack's specifications based on the number and capacity of cells.

PSN-Series feature a timed C/10 charge rate with automatic switching to C/40 trickle rate after fourteen hours enabling the battery to be left on charge for an indefinite period while maintaining its full charge.

Physical Dimensions: in. (mm)



Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions.

### PERFORMANCE SPECIFICATIONS

Input Voltage and Frequency .....	110 -120 VAC (60 Hz)
High Rate Current (I <sub>max</sub> ) .....	250-500 mA max based on battery pack
To charge cell capacities from .....	500 - 5000 mAh
Voltage Range .....	1.2 volts to 14.4 volts (1-12 cells)
Float Rate Current .....	25% of I <sub>max</sub> (I <sub>max</sub> /4)
Output Termination .....	18 AWG output cable with 2.5mm ID barrel plug connector
Approximate Weight.....	1.5 pounds (0.68 kg)
LED Indicators .....	Orange = Charging, Green = Ready
Operating Temperature Range	
Operating .....	32°F (0°C) to 104°F (40°C)
Storage .....	-40°F (-40°C) to 176°F (80°C)
Case.....	ABS

**CAUTION:** Chargers are not protected against reverse polarity connection. Reversing polarity or shorting will damage the battery and charger.



**SALES & MARKETING**  
 3106 Spring Street  
 Redwood City, CA 94063 USA  
 Tel: 650-364-5001 Fax: 650-366-3662  
[rwcsales@power-sonic.com](mailto:rwcsales@power-sonic.com)

[www.power-sonic.com](http://www.power-sonic.com)

**CUSTOMER SERVICE**  
 9163 Siempre Viva Road  
 San Diego, CA 92173 USA  
 Tel: 619-661-2030 Fax: 619-661-3648  
[battery@power-sonic.com](mailto:battery@power-sonic.com)