

# PS-12350 12 Volt 35.0 AH

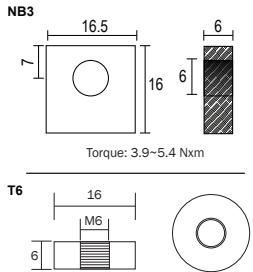
Rechargeable Sealed Lead Acid Battery

We've Got The Power.™

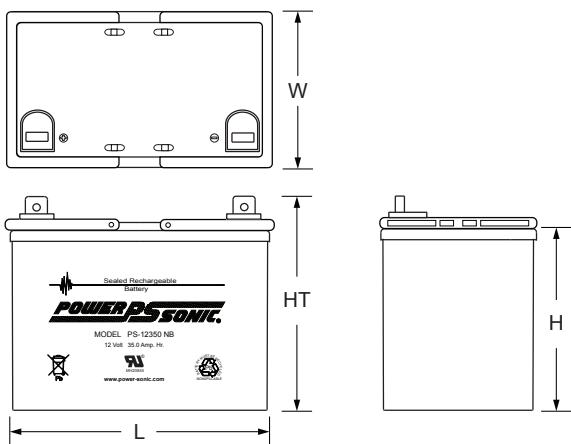


## Terminals (mm)

- NB3: Heavy duty terminal posts with nut and bolt fasteners
- T6: Threaded insert w. 6 mm stud fastener



## Physical Dimensions: in (mm)



L: 7.72 (196) W: 5.14 (131) H: 6.22 (158) HT: 7.00 (176)

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

## Features

- Absorbent Glass Mat (AGM) technology for superior performance
- Valve regulated, spill proof construction allows safe operation in any position
- Power/volume ratio yielding unrivaled energy density
- Rugged impact resistant ABS case and cover (UL94-HB)
- Integrated ABS carrying handles for ease of movement
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L. recognized under file number MH 20845

## Performance Specifications

**Nominal Voltage** ..... 12 volts (6 cells)

**Nominal Capacity**

20-hr.	(1.75A to 10.50 volts)	35.0 AH
10-hr.	(3.3A to 10.50 volts)	33.0 AH
5-hr.	(6.2A to 10.20 volts)	31.0 AH
1-hr.	(25A to 9.00 volts)	25.0 AH
15-min.	(70A to 9.00 volts)	17.5 AH

**Approximate Weight** ..... 24.70 lbs. (11.20 kg)

**Energy Density** (20-hr. rate) ..... 1.70 W-h/in<sup>3</sup> (103.84 W-h/l)

**Specific Energy** (20-hr. rate) ..... 17.00 W-h/lb (37.49 W-h/kg)

**Internal Resistance** (approx.) ..... 8 milliohms

**Max Discharge Current** (7 Min.) ..... 105.0 amperes

**Max Short-Duration Discharge Current** (10 Sec.) ..... 350.0 amperes

**Shelf Life** (% of nominal capacity at 68°F (20°C))

1 Month	97%
3 Months	91%
6 Months	83%

**Operating Temperature Range**

Charge ..... -4°F (-20°C) to 122°F (50°C)

Discharge ..... -40°F (-40°C) to 140°F (60°C)

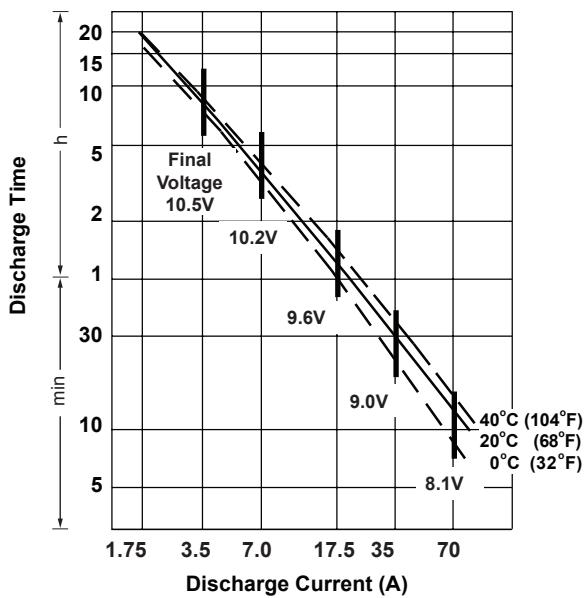
**Case** ..... ABS Plastic

**Power-Sonic Chargers** ..... PSC-124000A, 124000A-C

## Constant Power Discharge Ratings

MODEL	FINAL VOLTAGE	WATTS PER CELL @ 25° C						
		5 MIN	10 MIN	15 MIN	20 MIN	30 MIN	45 MIN	60 MIN
PS-12350	1.75	245	170	133	108	80	60	45
	1.70	251	174	136	110	82	61	47
	1.67	258	176	139	113	83	62	48

## Discharge Time vs. Discharge Current



## Charging

**Cycle Applications:** Limit initial current to 10.5A. Charge until battery voltage (under charge) reaches 14.4 to 14.7 volts at 68°F (20°C). Hold at 14.4 to 14.7 volts until current drops to under 350mA. Battery is fully charged under these conditions, and charger should be disconnected or switched to “float” voltage.

**“Float” or “Stand-By” Service:** Hold battery across constant voltage source of 13.5 to 13.8 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

**Note:** Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged within 6 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

## Chargers

Power-Sonic offers a wide range of chargers suitable for batteries up to 100AH. Please refer to the Charger Selection Guide in our specification sheets for "C-Series Switch Mode Chargers" and "Transformer Type A and F Series". Please contact our Technical department for advice if you have difficulty in locating suitable models.

## Contact Information

## **DOMESTIC SALES**

Tel: +1-619-661-2020  
Fax: +1-619-661-3650  
[national-sales@power-sonic.com](mailto:national-sales@power-sonic.com)

## **CUSTOMER SERVICE**

Tel: +1-619-661-2030  
Fax: +1-619-661-3648  
customer-service@power-sonic.com

## Further Information

Please refer to our website [www.power-sonic.com](http://www.power-sonic.com) for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc..

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## INTERNATIONAL SALES

Tel: +1-650-364-5001  
Fax: +1-650-366-3662  
international-sales@power-sonic.com

**CORPORATE OFFICE** • 7550 Panasonic Way • San Diego, CA 92154 • USA • Tel: +1-619-661-2020 • Fax: +1-619-661-3650

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