

## PS-12350 12 Volt 35.0 AH

### Rechargeable Sealed Lead Acid Battery



We've Got The Power.™



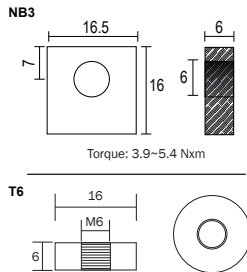
### Features

- 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

### Terminals

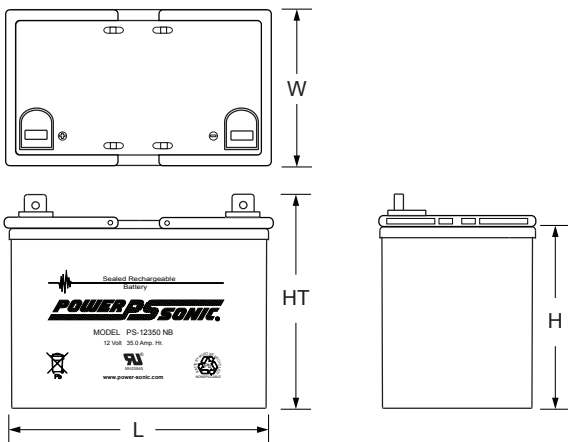
(mm)

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



Torque: 3.9-5.4 Nxm

### 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.

### 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)

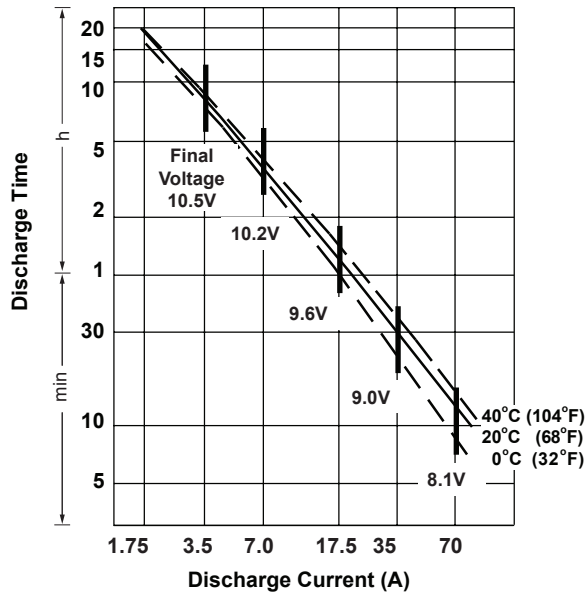
**Case** ..... ABS Plastic

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

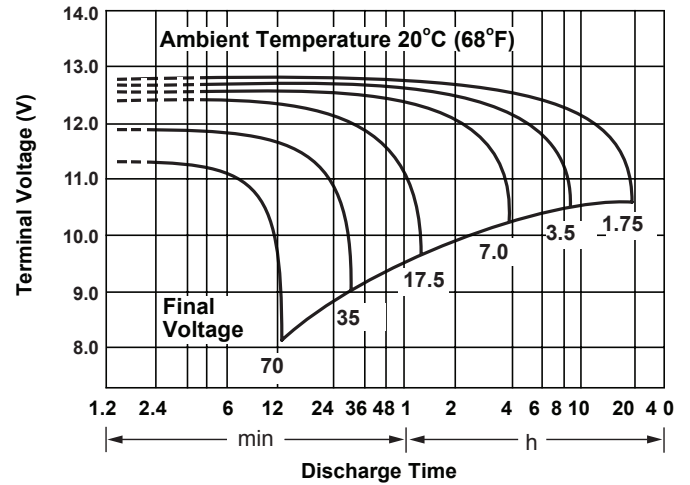
**Constant Power Discharge Ratings**

MODEL	FINAL VOLTAGE	WATTS PER CELL @ 25° C						
		5 MIN	10 MIN	15 MIN	20 MIN	30 MIN	45 MIN	60 MIN
<b>PS-12350</b>	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**



**Discharge Characteristics**



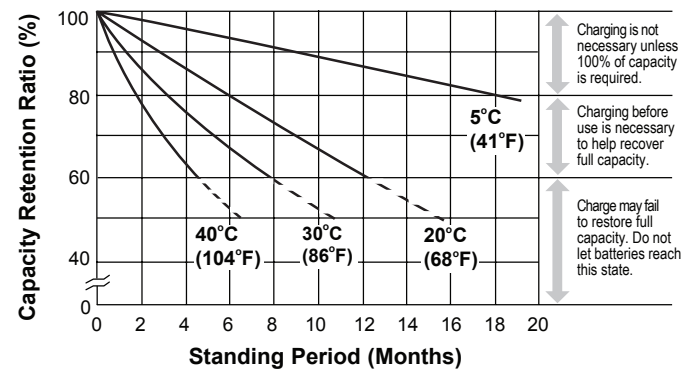
**Charging**

**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.

**Shelf Life & Storage**



**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.

**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..

**Contact Information**

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

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