

**PG-12V35 FR 12 Volt 36 AH @ 20-hr. rate  
35 AH @ 10-hr. rate**

**Rechargeable Sealed Lead Acid Battery  
Designed for Cyclic, Standby, and Solar Applications**

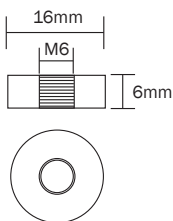


**We've Got The Power.™**

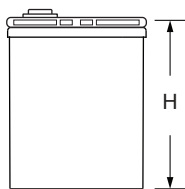
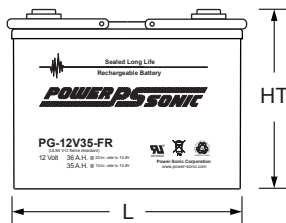
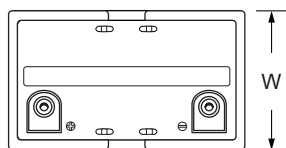


## Terminals (mm)

- T6: Threaded insert w. 6 mm stud fastener



## Physical Dimensions: in (mm)



**L: 7.80 (198) W: 5.20 (132) H: 6.22 (158) HT: 6.65 (169)**

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

## Features

- **Long Service Life** - Thick plate design and efficient gas recombination yield a service life expectancy of up to 10 years in standby mode.
- **Low Internal Resistance** - Superb high-rate discharge characteristics ensure reliable performance in UPS and Telecom applications.
- **Maintenance-Free, Non-Spillable** - Proven VRLA technology guarantees safe operation without maintenance and 'non-restricted article' status for transportation.
- **Handles** - Integral carrying handles.
- **Low Self-Discharge** - Lead-calcium alloy grids and use of high purity lead account for superior shelf-life characteristics permitting storage for extended periods of time.
- **Designed-In Reliability** - Cutting-edge manufacturing and process control combined with meticulous quality assurance procedures guarantee consistent and dependable performance.

## Performance Specifications

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

**Nominal Capacity**

20-hr.	(1.80A to 10.80 volts)	36.0 AH
10-hr.	(3.5A to 10.80 volts)	35.0 AH
8-hr.	(4.2A to 10.50 volts)	33.6 AH
5-hr.	(6.50A to 10.50 volts)	32.5 AH
3-hr.	(10.00A to 10.50 volts)	30.0 AH
1-hr.	(27.0A to 9.60 volts)	27.0 AH

**Approximate Weight** ..... 24.5 lbs. (11.1 kg)

**Energy Density (10-hr. rate)** ..... 1.66 W-h/in<sup>3</sup> (101.59 W-h/l)

**Specific Energy (10-hr. rate)** ..... 17.14 W-h/lb (37.79 W-h/kg)

**Internal Resistance (approx.)** ..... 8.0 milliohms

**Max Short-Duration Discharge Current (10 Sec.)**..... 175 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)

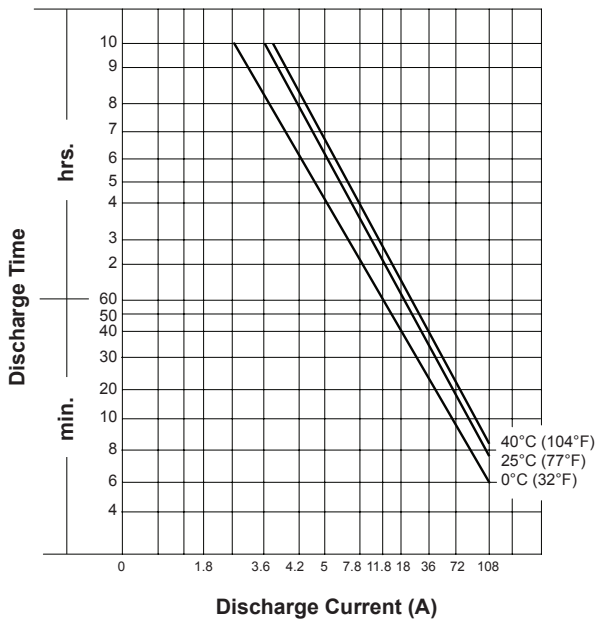
**Case** ..... ABS Plastic (UL94 V-0 flame retardant)

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

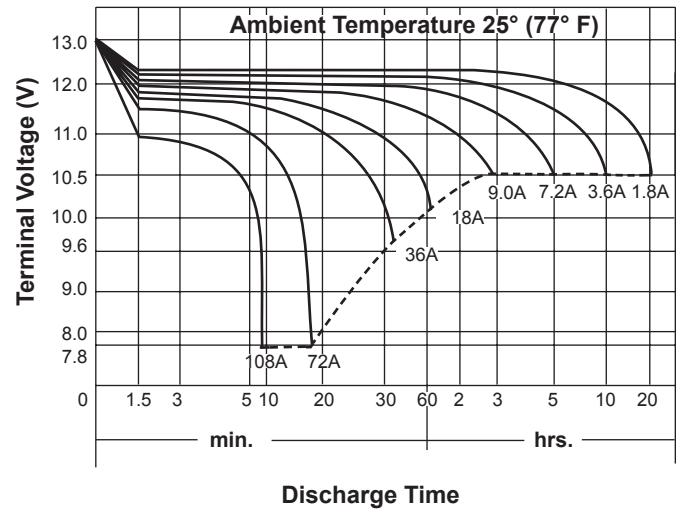
**Constant Current & Power Discharge Ratings**

MODEL	FINAL VOLTAGE	AMPS/WATTS PER CELL @ 25° C													
		5 MIN		10 MIN		15 MIN		20 MIN		30 MIN		45 MIN		60 MIN	
		A	W	A	W	A	W	A	W	A	W	A	W	A	W
<b>PG-12V35 FR</b>	1.80	124	240	84	162	66	128	54	105	42	80	31	60	25	49
	1.75	136	260	88	170	70	134	58	109	44	83	33	62	26	50
	1.67	148	274	98	182	76	143	62	117	46	86	35	64	27	51
	1.60	158	286	106	194	82	150	66	120	50	90	36	66	28	52

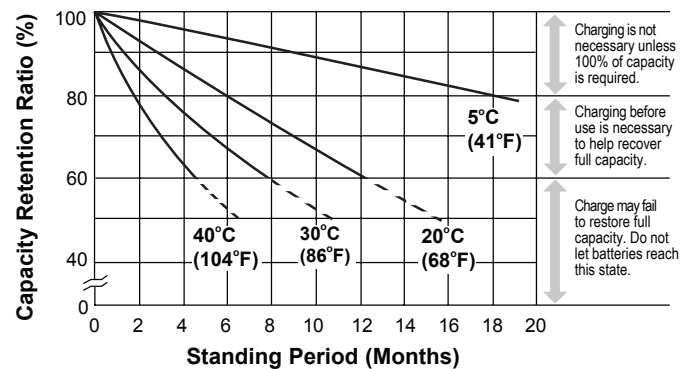
**Discharge Time vs. Discharge Current**



**Discharge Characteristics**



**Shelf Life & Storage**



**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.

**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)

**DOMESTIC SALES**  
Tel: +1-619-661-2020  
Fax: +1-619-661-3650  
national-sales@power-sonic.com

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

**TECHNICAL SUPPORT**  
Tel: +1-619-661-2020  
Fax: +1-619-661-3648  
support@power-sonic.com

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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.