PG-12V35 FR

12 Volt 36 AH @ 20-hr. rate
35 AH @ 10-hr. rate

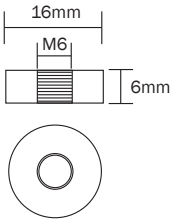
Rechargeable Sealed Lead Acid Battery
Designed for Cyclic, Standby, and Solar Applications

We've Got The Power.™

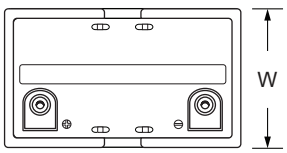
MH20845

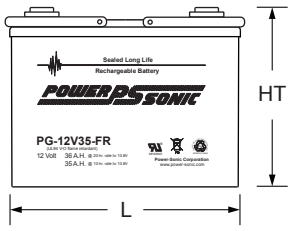
Terminals (mm)

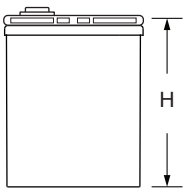
- T6: Threaded insert w. 6 mm stud fastener



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/in3 (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)

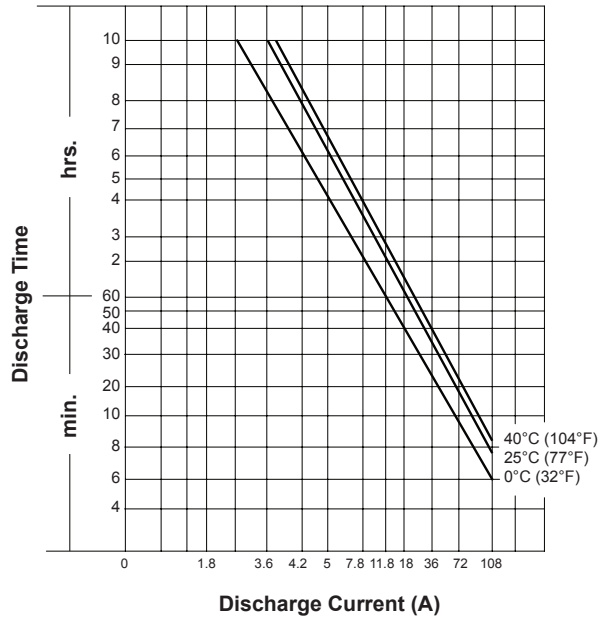
Case ..... ABS Plastic (UL94 V-0 flame retardant)

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

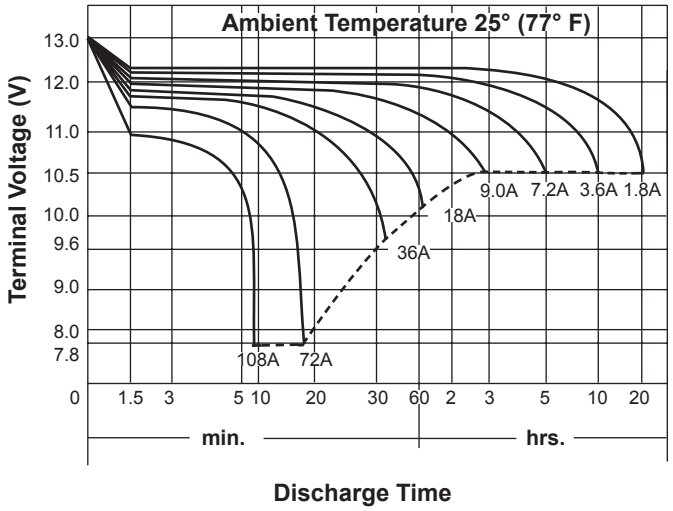
Constant Current & Power Discharge Ratings

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
PG-12V35 FR	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



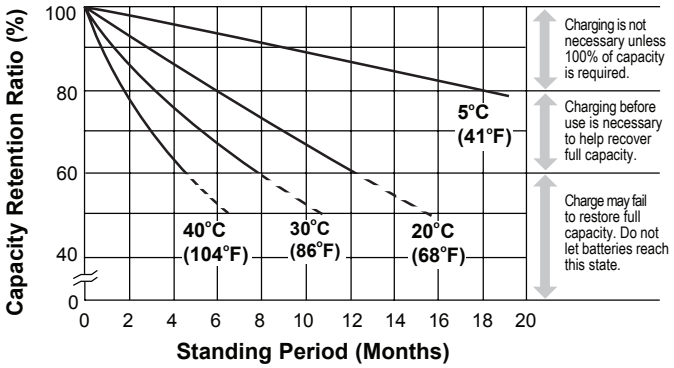
Charging

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 for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc..

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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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