PG-6V210 FR

6 Volt 226 AH @ 20-hr. rate
210 AH @ 10-hr. rate

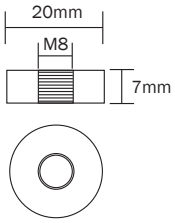
Rechargeable Sealed Lead Acid Battery
Designed for Cyclic, Standby, and Solar Applications

We've Got The Power.™

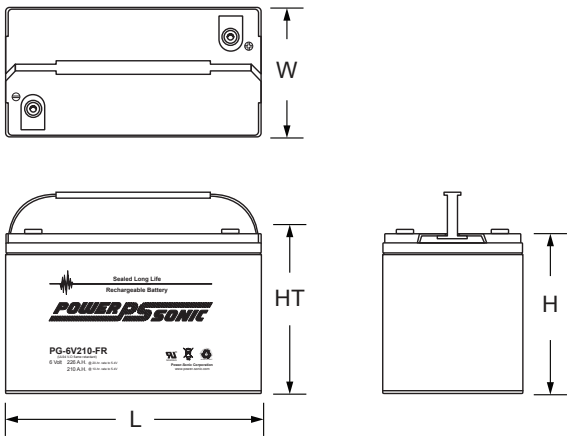
MH20845

Terminals (mm)

- T11: Threaded insert w. 6 mm stud fastener



Physical Dimensions: in (mm)



L: 12.70 (323) **W:** 7.00 (178) **H:** 8.98 (228) **HT:** 9.21 (234)

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 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.
- **Handle** - Detachable ABS carrying handle.
- **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 ..... 6 volts (3 cells)

Nominal Capacity

20-hr.	(11.30A to 5.40 volts)	226.0 AH
10-hr.	(21.0A to 5.40 volts)	210.0 AH
8-hr.	(25A to 5.25 volts)	200.0 AH
5-hr.	(36.10A to 5.25 volts)	180.5 AH
3-hr.	(54.60A to 5.25 volts)	163.80 AH
1-hr.	(126.0A to 4.80 volts)	126.0 AH

Approximate Weight ..... 71.6 lbs. (32.5 kg)

Energy Density (10-hr. rate) ..... 1.58 W-h/in3 (96.31 W-h/l)

Specific Energy (10-hr. rate) ..... 17.60 W-h/lb (38.80 W-h/kg)

Internal Resistance (approx.) ..... 1.4 milliohms

Max Short-Duration Discharge Current (10 Sec.) ..... 630 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)

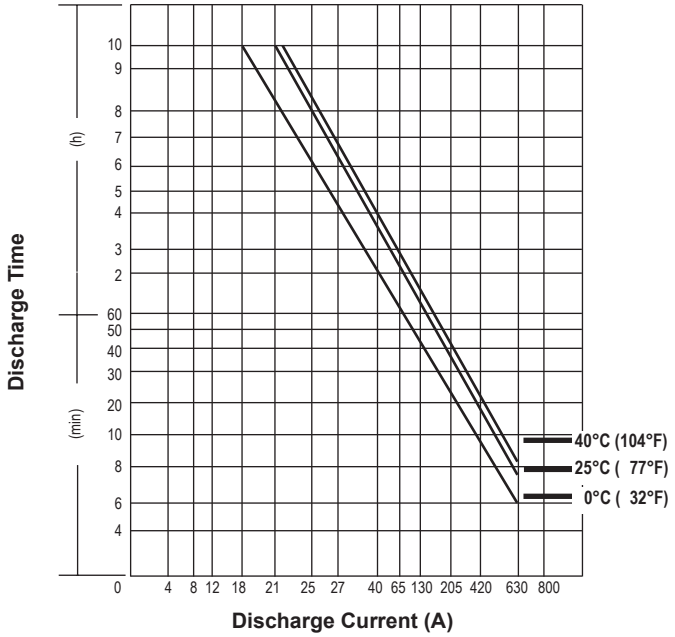
Case ..... ABS Plastic (UL94 V-0 flame retardant)

Power-Sonic Chargers ..... n/a

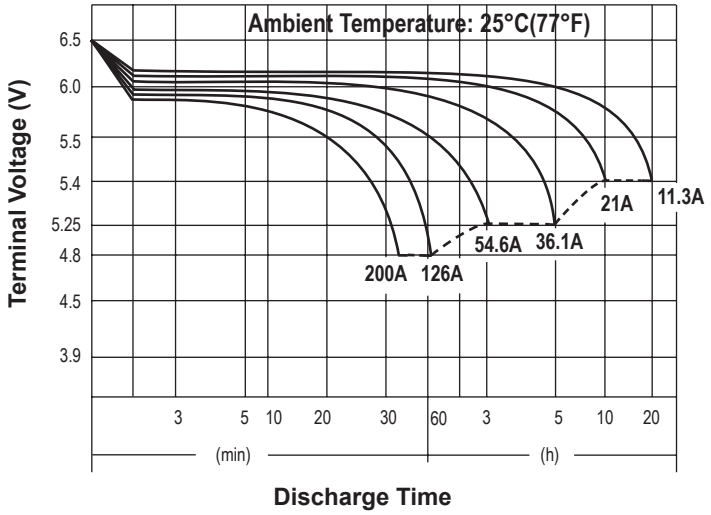
Constant Current & Power Discharge Ratings

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-6V210 FR	1.80	386	706	330	610	286	538	253	498	206	412	149	293	120	239
	1.75	442	805	359	658	313	585	278	503	220	427	162	320	121	241
	1.67	506	846	413	737	361	655	304	532	233	438	161	327	126	245
	1.60	620	1040	450	801	372.4	675	305	561	241	456	168	334	122	250

Discharge Time vs. Discharge Current



Discharge Characteristics



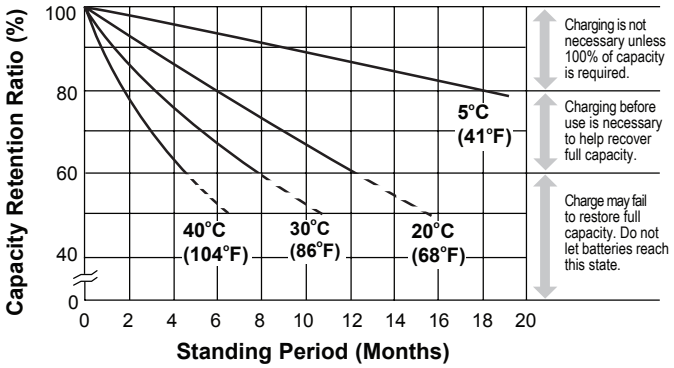
Charging

Cycle Applications: Limit initial current to 25A. Charge until battery voltage (under charge) reaches 7.20 to 7.50 volts at 68°F (20°C). Hold at 7.20 to 7.50 volts until current drops to under 2.1A. 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 6.75 to 6.90 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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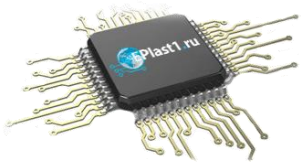
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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

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