

**PG-12V65 FR 12 Volt 70.6 AH @ 20-hr. rate  
65.0 AH @ 10-hr. rate**

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

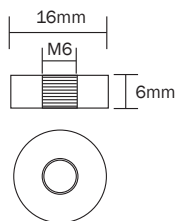


**We've Got The Power.™**

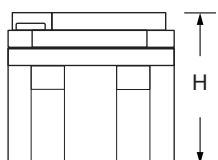
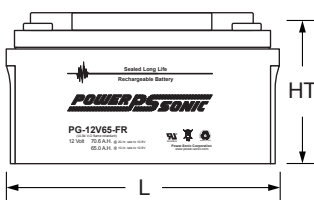
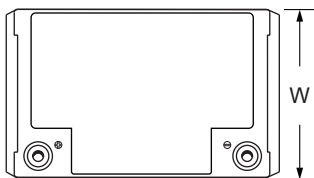


## Terminals (mm)

- T6: Threaded insert w. 6 mm stud fastener



## Physical Dimensions: in (mm)



**L: 13.70 (348) W: 6.57 (167) H: 7.00 (178) HT: 6.26 (159)**

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)

<b>Nominal Capacity</b>		
20-hr. (3.53A to 10.80 volts) .....	70.6 AH	
10-hr. (6.5A to 10.80 volts) .....	65.0 AH	
8-hr. (7.9A to 10.50 volts) .....	63.2 AH	
5-hr. (11.20A to 10.50 volts) .....	56.0 AH	
3-hr. (16.90A to 10.50 volts) .....	50.7 AH	
1-hr. (39.0A to 9.60 volts) .....	39.0 AH	

**Approximate Weight** ..... 47 lbs. (21.3 kg)

**Energy Density (10-hr. rate)** ..... 1.24 W-h/in<sup>3</sup> (75.55 W-h/l)

**Specific Energy (10-hr. rate)** ..... 16.60 W-h/lb (36.59 W-h/kg)

**Internal Resistance (approx.)** ..... 7.0 milliohms

**Max Short-Duration Discharge Current (10 Sec.)**..... 390 amperes

<b>Shelf Life</b> (% 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)

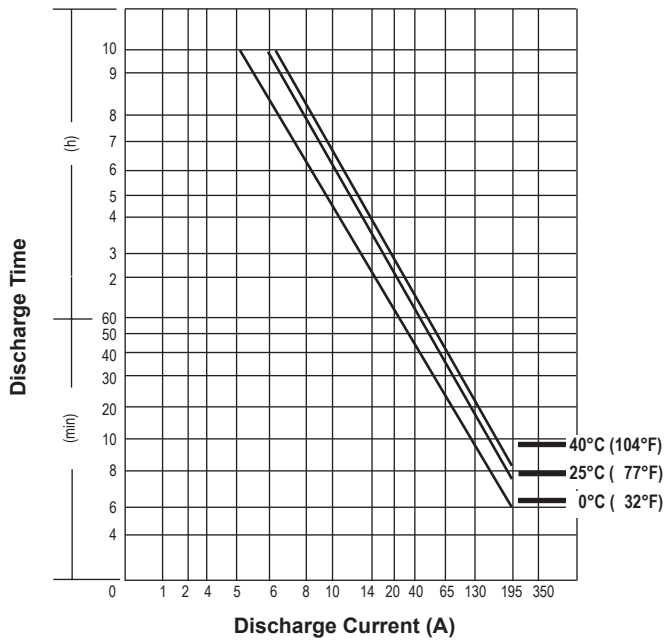
**Case** ..... ABS Plastic (UL94 V-0 flame retardant)

**Power-Sonic Chargers** ..... PSC-1210000A-C

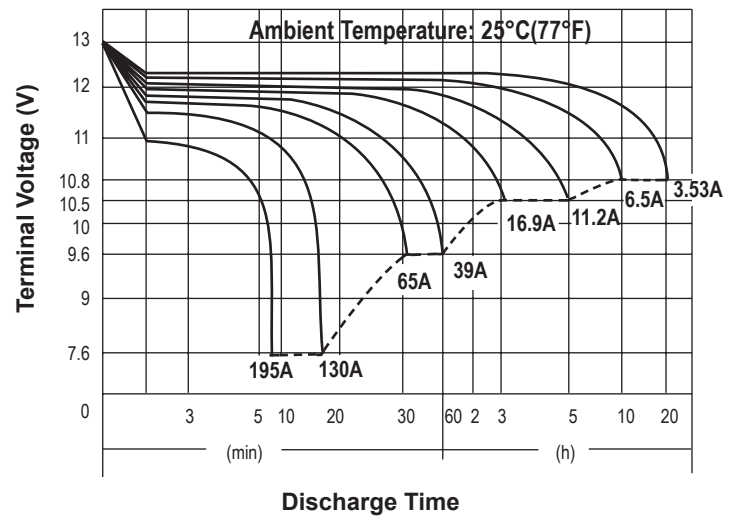
**Constant Current & Power Discharge Ratings**

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-12V65 FR</b>	1.80	125	324	107.5	212	93.2	182	82.3	158	67.2	131	48.5	96	39	78
	1.75	144	338	117	220	101	192	90	174	71.2	142	52.5	102	39.2	79
	1.67	164.7	365	134	256	117	213	98.8	183	75.5	145	52.4	104	39	80
	1.60	203.5	382	148	268	121	220	99.5	188	74.8	148	52	106	38.6	82

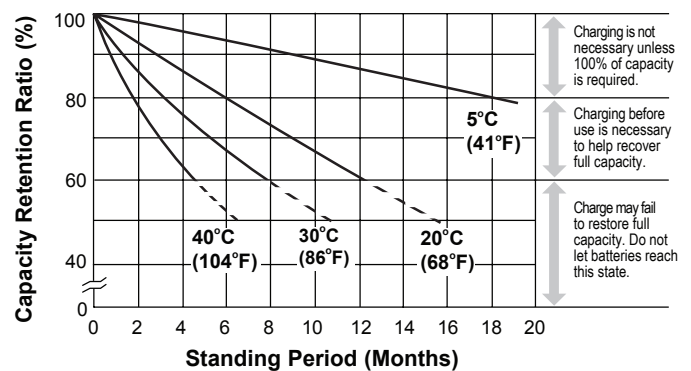
**Discharge Time vs. Discharge Current**



**Discharge Characteristics**



**Shelf Life & Storage**



**Charging**

**Cycle Applications:** Limit initial current to 19.5A. 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 650mA. 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**

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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