

**PG-1 2V55**  
12 Volt 55 A.H.



UPS / TELECOM BATTERY

**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.

**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.

**PRODUCT**



CE  **ISO9001**  
MH20845

**SPECIFICATIONS**

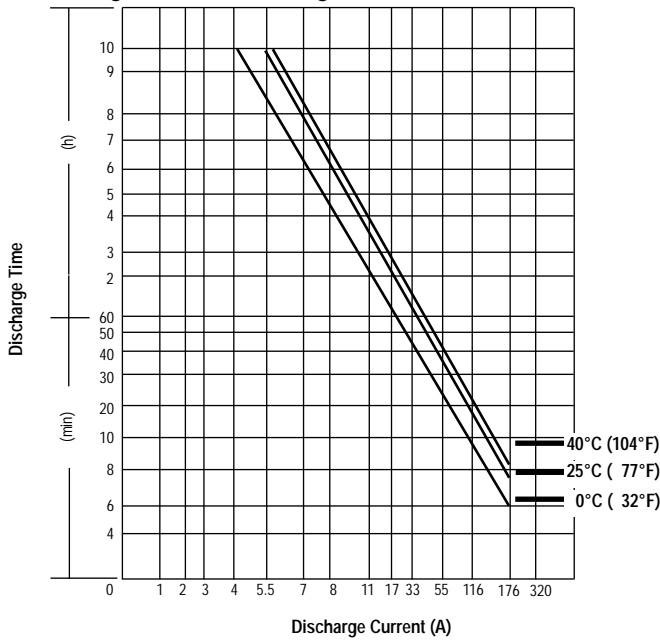
<b>Nominal Voltage</b>	12 Volt (6 cells)
<b>Nominal Capacity</b>	
20-hr. rate ( 3.0A to 10.8V)	60.0AH
10-hr. rate ( 5.6A to 10.8V)	56.0AH
8-hr. rate ( 6.7A to 10.5V)	53.6AH
5-hr. rate ( 9.5A to 10.5V)	47.5AH
3-hr. rate ( 14.3A to 10.5V)	42.9AH
1-hr. rate ( 33.0A to 9.6V)	33.0AH
<b>Approximate Weight</b>	41.9 lbs. (19.0 kg)
<b>Energy Density ( 10-hr. rate )</b>	1.65 W-hrs/in <sup>3</sup> (100.6 W-hrs/l)
<b>Specific Energy ( 10-hr. rate )</b>	15.75 W-hrs/lb (34.74 W-hrs/kg)
<b>Internal Resistance</b>	6 milliohms
<b>30-sec. Discharge Current to 1.60V/cell</b>	330 A
<b>Terminals</b>	T6: threaded insert w. 6 mm stud fastener
<b>Shelf Life — ( % of nominal capacity at 68° F (20° C) )</b>	
1 Month	97%
3 Months	91%
6 Months	83%
<b>Operating Temperature Range</b>	
Charge	-4°F (-20°C) to 122°F (50°C)
Discharge	-4°F (-20°C) to 140°F (60°C)
<b>Case Material</b>	ABS plastic

CONSTANT POWER DISCHARGE RATINGS

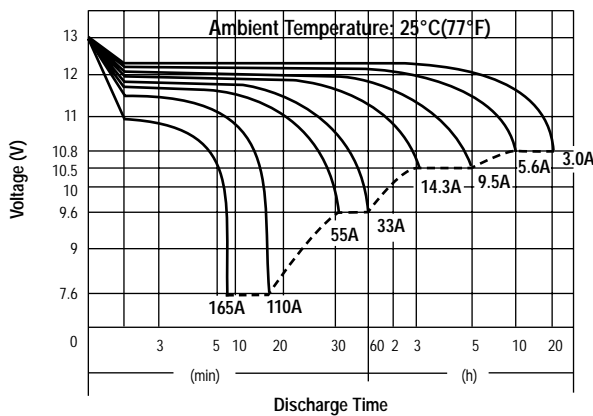
Model	Final	WATTS PER CELL @ 25°C						
		5 min	10 min	15 min	20 min	30 min	45 min	60 min
PG-12V55	1.80V	308	200	173	146	110	83	70
	1.75V	320	210	184	153	115	87	72
	1.67V	354	247	202	160	120	90	74
	1.60V	372	260	206	168	127	94	76

PERFORMANCE CHARACTERISTICS

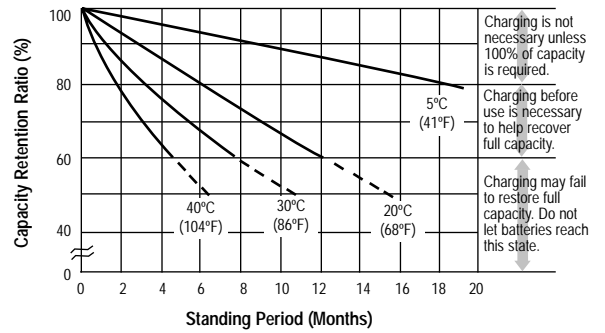
Discharge Time vs. Discharge Current



Discharge Characteristics



SELF-DISCHARGE & STORAGE

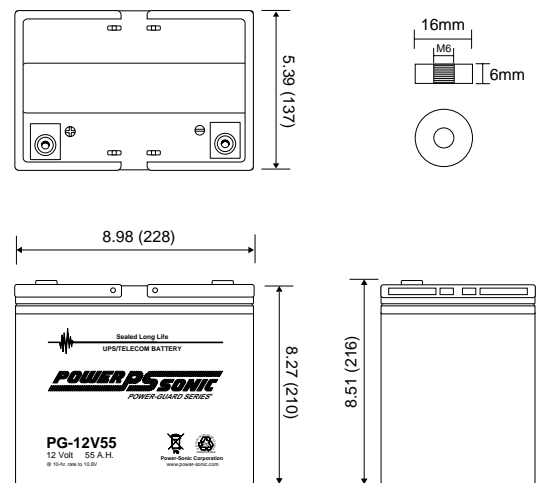


CHARGING

**Cycle Applications:** Limit initial current to 16.5A. Charge until battery voltage (under charge) reaches 14.40 to 14.70 volts at 68°F (20°C). Hold at 14.40 to 14.70 volts until current drops to approximately 550mA.

**“Float” or “Stand-By” Service:** Hold battery across constant voltage source of 13.50 to 13.80 volts continuously.

PHYSICAL DIMENSIONS



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