

PG-12V55-FR

12 Volt 55 A.H.

POWER SONIC
POWER-GUARD SERIES®

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 **UL** **ISO9001**
 MH20845
SPECIFICATIONS

Nominal Voltage	12 Volt (6 cells)
Nominal Capacity	
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
Approximate Weight	41.9 lbs. (19.0 kg)
Energy Density (10-hr. rate)	1.65 W-hrs/in ³ (100.6 W-hrs/l)
Specific Energy (10-hr. rate)	15.75 W-hrs/lb (34.74 W-hrs/kg)
Internal Resistance	6 milliohms
30-sec. Discharge Current to 1.60V/cell	330 A
Terminals	T6: threaded insert w. 6 mm stud fastener
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	-4°F (-20°C) to 140°F (60°C)
Case Material (UL94 V-O flame retardant)	ABS plastic

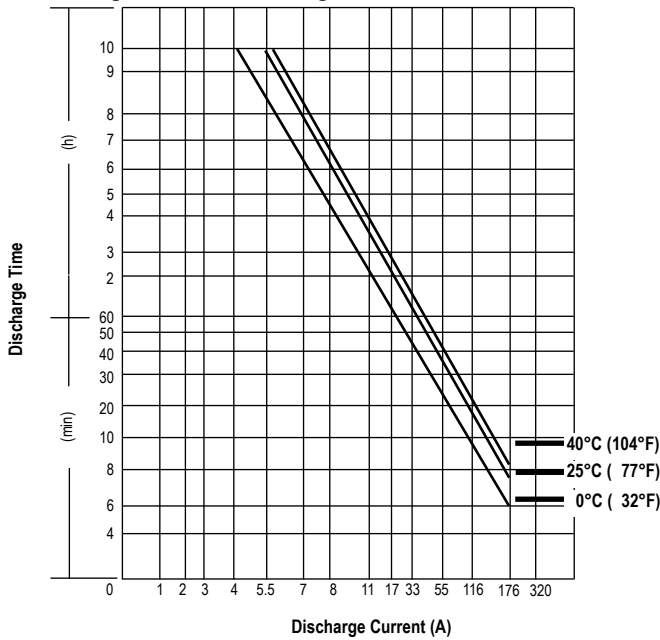
To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

CONSTANT CURRENT & POWER DISCHARGE RATINGS

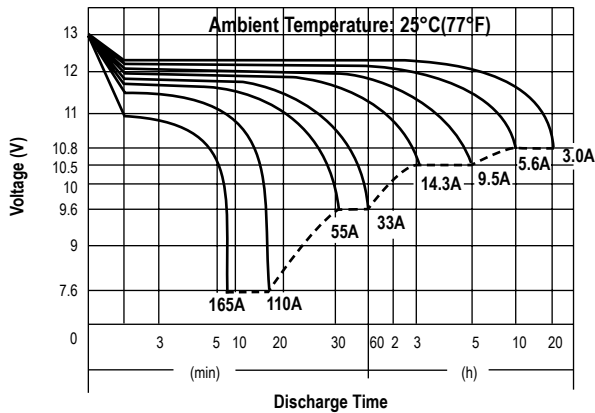
Model	Final	AMPS/WATTS PER CELL @ 25°C													
		5 min		10 min		15 min		20 min		30 min		45 min		60 min	
		A	W	A	W	A	W	A	W	A	W	A	W	A	W
12V55-FR	1.80V	106	308	91	200	78.8	173	70	146	56.5	110	41	83	33	70
	1.75V	121	320	99	210	86	184	76.5	153	60	115	44.5	87	33.2	72
	1.67V	139	354	113.6	247	99.3	202	83.6	160	64.2	120	44.3	90	33	74
	1.60V	112.2	372	119	260	103	206	84	168	63.3	127	44	94	32.7	76

PERFORMANCE CHARACTERISTICS

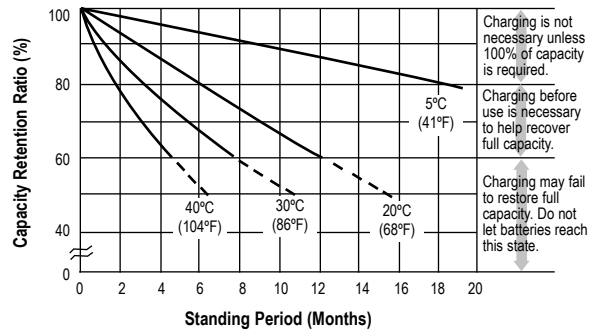
Discharge Time vs. Discharge Current



Discharge Characteristics



SELF-DISCHARGE & STORAGE

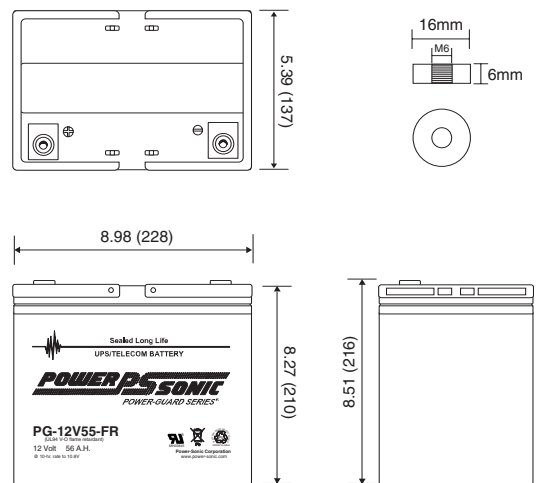


CHARGING

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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