

PG12V75-FR

12 Volt 75 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.

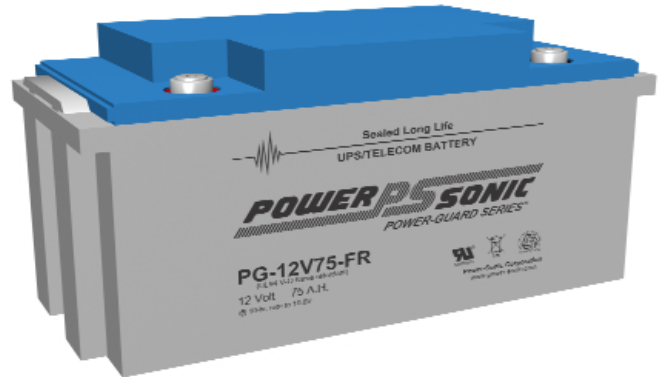
Low Self-Discharge

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

Nominal Voltage	12 Volt (6 cells)
Nominal Capacity	
20-hr. rate (4.0A to 10.8V)	80.0AH
10-hr. rate (7.5A to 10.8V)	75.0AH
8-hr. rate (9.0A to 10.5V)	72.0AH
5-hr. rate (12.9A to 10.5V)	64.5AH
3-hr. rate (19.5A to 10.5V)	58.5AH
1-hr. rate (45.0A to 9.6V)	45.0AH
Approximate Weight	55.2 lbs. (25.0 kg)
Energy Density (10-hr. rate)	1.42 W-hrs/in ³ (87.0 W-hrs/l)
Specific Energy (10-hr. rate)	16.3 W-hrs/lb (36.0 W-hrs/kg)
Internal Resistance	6 milliohms
30-sec. Discharge Current to 1.60V/cell	450 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

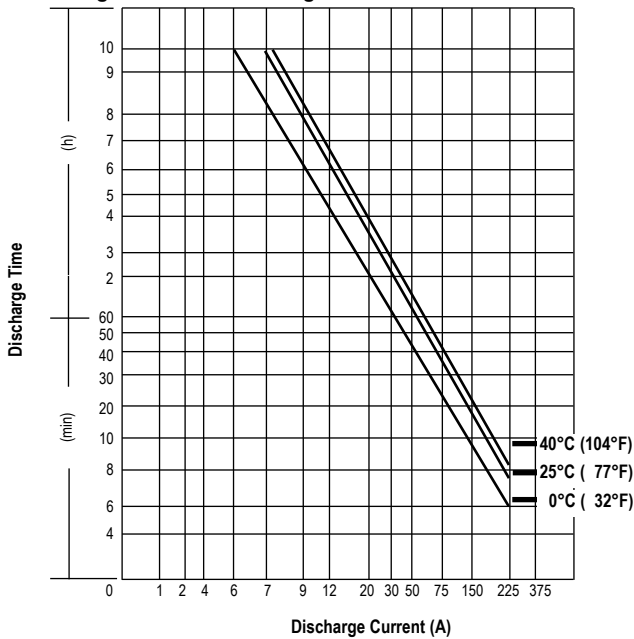
To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

CONSTANT CURRENT & POWER DISCHARGE RATINGS

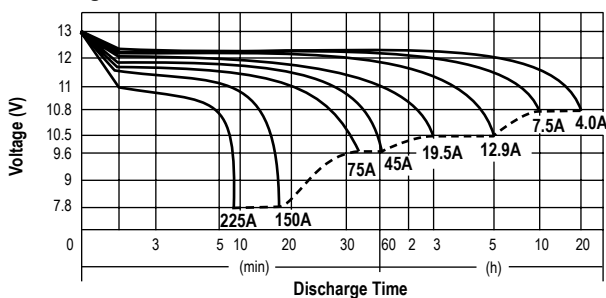
Model	Final	AMPS/WATTS PER CELL @ 25°C													
		5 min		10 min		15 min		20 min		30 min		45 min		60 min	
		A	W	A	W	A	W	A	W	A	W	A	W	A	W
12V75-FR	1.80V	145	458	124	326	108	262	95	212	78	160	56	121	45	98
	1.75V	166	470	135	335	118	268	105	218	83	165	61	125	46	100
	1.67V	190	514	155	357	135.5	274	114	230	87.5	172	60.5	129	45	104
	1.60V	235	528	174	366	140	285	115	236	86.3	178	60	132	44.5	106

PERFORMANCE CHARACTERISTICS

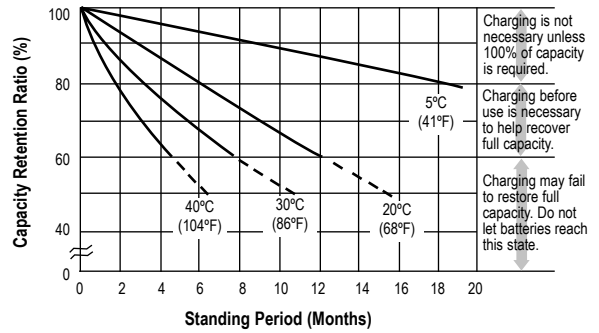
Discharge Time vs. Discharge Current



Discharge Characteristics



SELF-DISCHARGE & STORAGE

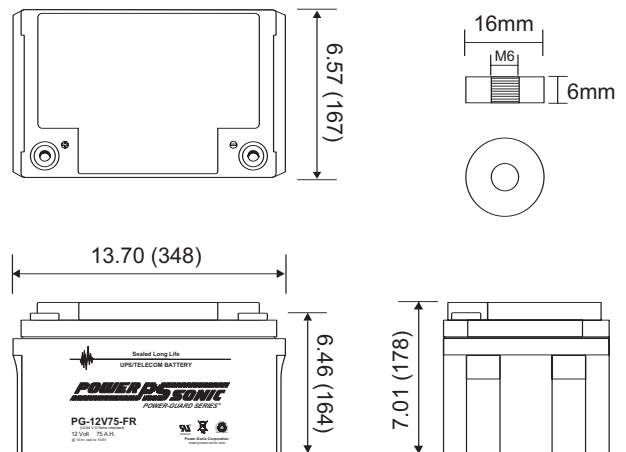


CHARGING

Cycle Applications: Limit initial current to 23A. 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 750mA.

“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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