

PG-12V35
PG-12V35FR
 12 Volt 35 A.H.
 143 Watts/cell @ 15 min. rate



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



SPECIFICATIONS

Nominal Voltage	12 Volt (6 cells)
Nominal Capacity	
20-hr. rate (1.80A to 10.8V)	36.0AH
10-hr. rate (1.75A to 10.8V)	35.0AH
8-hr. rate (4.20A to 10.5V)	33.6AH
5-hr. rate (6.50A to 10.5V)	32.5AH
1-hr. rate (27.0A to 9.6V)	27.0AH
Watts Per Cell (15 min. rate to 1.67V)	143 (Watts/Cell)
Approximate Weight	25.0 lbs. (11.4 kg)
Energy Density (10-hr. rate)	1.66 W-hrs/in ³ (101.7 W-hrs/l)
Specific Energy (10-hr. rate)	16.8 W-hrs/lb (36.8 W-hrs/kg)
Internal Resistance	7 milliohms
30-sec. Discharge Current to 1.60V/cell	175 A
Terminals	T6: Threaded insert terminal with 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	PG-12V35: HB-rated ABS plastic PG-12V35FR: Flame retardant (V-0 rated) ABS plastic

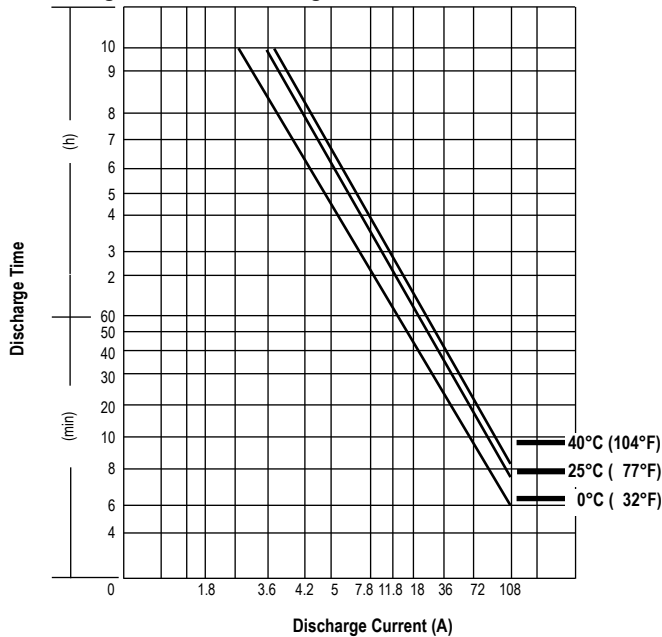
To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

CONSTANT CURRENT & POWER DISCHARGE RATINGS

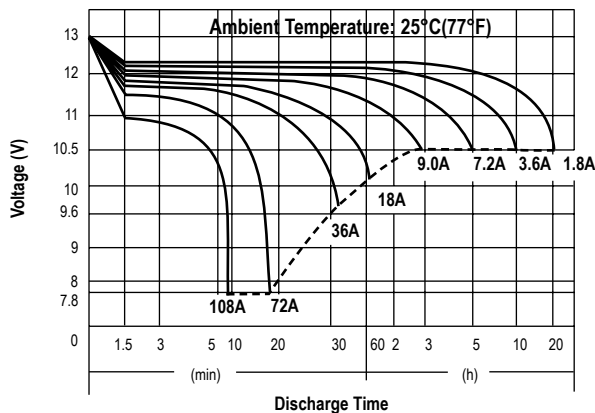
Model	Final	AMPS/WATTS PER CELL @ 25°C													
		5 min		10 min		15 min		20 min		30 min		45 min		60 min	
		A	W	A	W	A	W	A	W	A	W	A	W	A	W
12V35 12V35FR	1.80V	124	240	84	162	66	128	54	105	42	80	31	60	25	49
	1.75V	136	260	88	170	70	134	58	109	44	83	33	62	26	50
	1.67V	148	274	98	182	76	143	62	117	46	86	35	64	27	51
	1.60V	158	286	106	194	82	150	66	120	50	90	36	66	28	52

PERFORMANCE CHARACTERISTICS

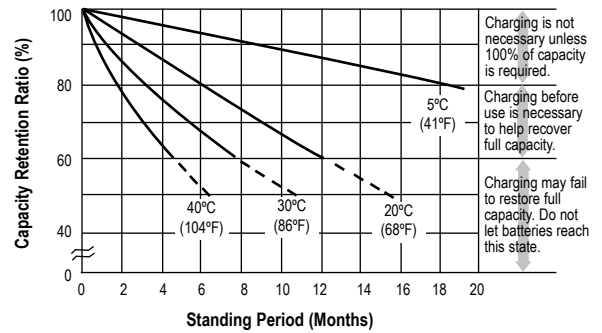
Discharge Time vs. Discharge Current



Discharge Characteristics



SELF-DISCHARGE & STORAGE

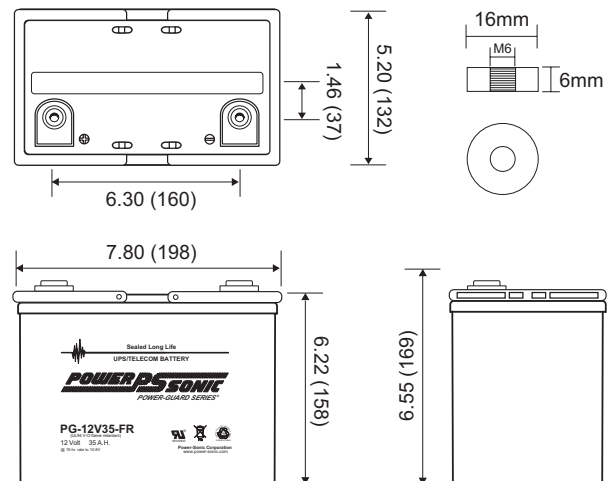


CHARGING

Cycle Applications: Limit initial current to 10.5A. 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 350mA.

“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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