



POWER SOLID

The Crown of Power Solution

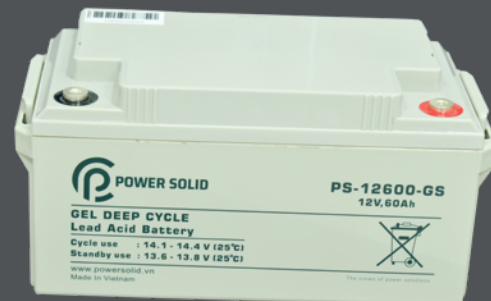
GEL Deep Cycle Battery
PS-12600-GS
12V , 60Ah

General Features

- Designed floating charging service life: 15 years (25°C)
- Safety valve installation for explosion proof ,Sealed and maintenance free operation
- By using strong grids, high purity lead and patented Gel electrolyte
- Extremely low self-discharge characteristic
- Wide operating temperature range from -20°C~55°C
- Lead Aluminum calcium Tin alloy high energy, prevent corrosion
- Maximum discharge current :600 Amperes for 5 seconds

Application

- DC power supply
- UPS/EPS power supply
- Electrical devices & instruments
- Security and fire alarm systems
- Telecom stations and power stations
- Medical equipments
- Emergency lighting systems



Constant-Voltage Charge

Rated Capacity	
20 hour rate (3.25A)	63.5AH
10 hour rate (6.50A)	60.5AH
5 hour rate (10.2A)	51.0AH
3 hour rate (15.0A)	44.0AH
1 hour rate (36.0A)	36.0AH
Capacity affected by Temperature	
40°C(104°F)	103%
25°C(77°F)	100%
0°C(32°F)	86%

Cycle Application	
1. Limit initial current less than 15.0A.	
2. Charge until battery voltage (under charge) reaches 14.1V to 14.4V at 25°C(77°F).	
3. Hold at 14.1V to 14.4V until current drop to under 0.36A for at least 3 hours.	
4. Temperature compensation coefficient of charging voltage is -30mV/°C.	
Standby Service	
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 15.0A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status.	
2. Temperature compensation coefficient of charging voltage is -18mV/°C.	

Battery Discharge Table

End Voltage (V)	Minute (M)					Hour (H)							
	5	10	15	30	45	1	1.5	2	3	5	8	10	20
Constant Current Discharge Data Sheet (Amperes at 25°C)													
10.20	188	143	108.5	57.3	53.2	37.3	29.5	24.7	15.5	10.7	7.65	6.39	3.26
10.50	167	131	101.1	55.0	50.8	35.9	28.3	23.8	15.0	10.3	7.24	6.16	3.24
10.80	155	120	94.7	53.1	48.5	34.4	27.2	22.9	14.5	9.8	6.88	6.05	3.20
Constant Power Discharge Data Sheet (Watt at 25°C)													
10.20	1871	1584	1150	716	538	467	341	257	191	123	91.5	77.7	40.7
10.50	1799	1345	1033	700	526	461	336	248	185	120	90.3	75.3	39.4
10.80	1673	1255	986	684	508	439	320	240	178	115	89.1	71.7	38.5



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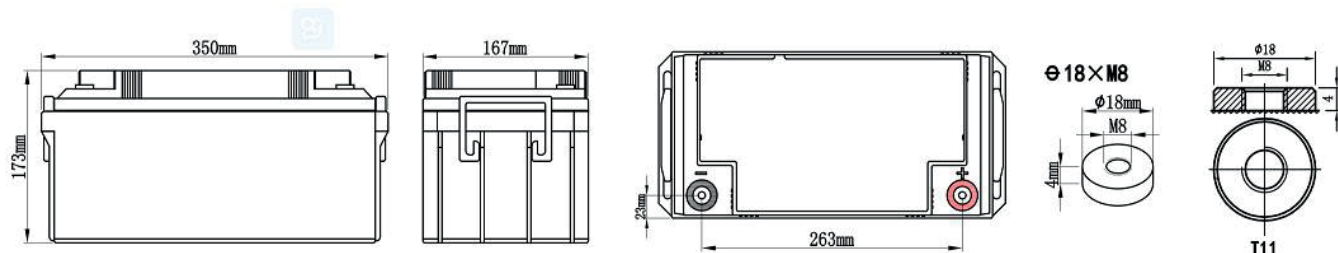
PS-12600-GS

12V, 60Ah

Physical Specifications

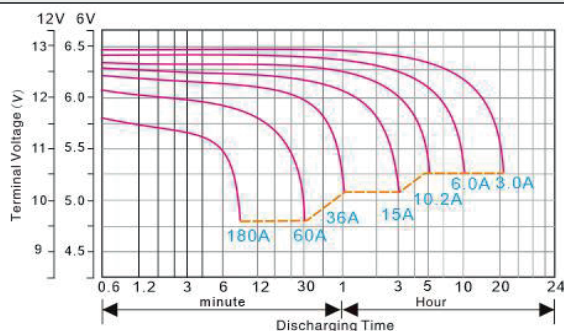
Nominal Voltage	Nominal Capacity (10HR)	Dimension				Weight $\pm 3\%$	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
12V	60AH	350 \pm 3mm	167 \pm 2mm	173 \pm 3mm	173 \pm 3mm	Approx 19.0kg (41.88bs)	\approx 6.4m Ω	T11 (standard)

Dimensions(mm)

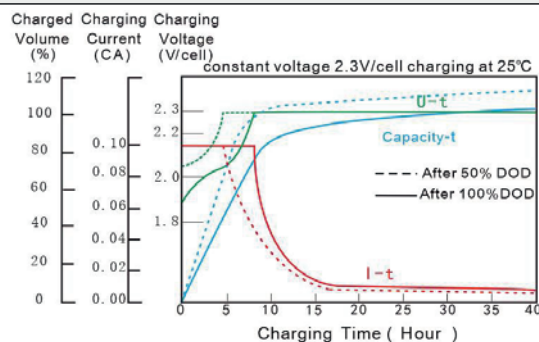


Performance Characteristics

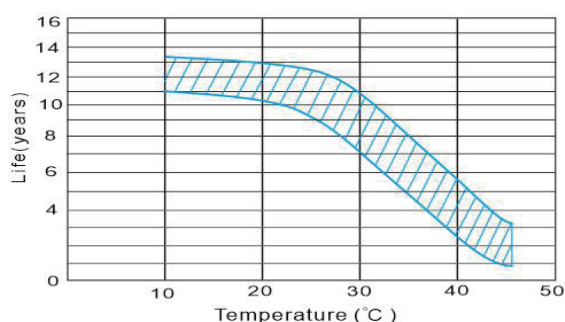
Discharge Characteristic (25°C/77°F)



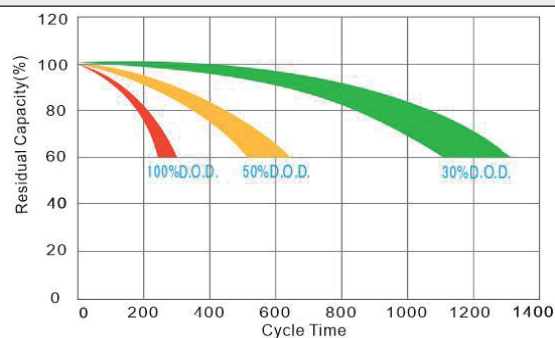
Charge Characteristics (25°C/77°F)



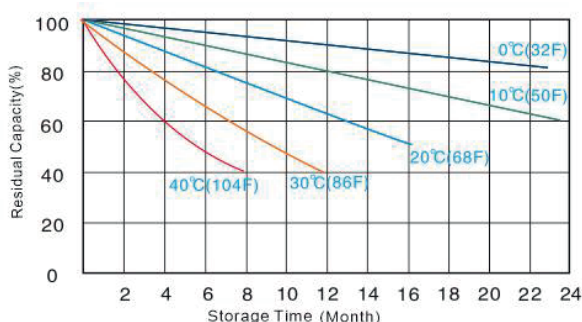
Temperature vs Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Capacity Curve At Different Temperature

