



General Features

- Designed floating charging service life: 12 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 :350 ampere 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 (1.75A)	37.0AH
10 hour rate (3.5A)	35.0AH
5 hour rate (5.95A)	29.8AH
3 hour rate (8.75A)	26.3AH
1 hour rate (21.0A)	21.0AH
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 8.8A.	
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 under0.21A 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 8.8A 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	110.0	83.8	63.2	33.6	31.1	21.8	17.2	14.4	9.05	6.29	4.47	3.70	1.98
10.50	97.4	76.9	59.1	32.2	29.7	21.0	16.6	13.9	8.75	6.00	4.23	3.63	1.94
10.80	90.8	69.9	55.2	31.1	28.3	20.1	15.9	13.4	8.45	5.75	4.02	3.53	1.88
Constant Power Discharge Data Sheet (Watt at 25°C)													
10.20	1093	926	672	418	314	273	199	150	112	72.1	53.4	45.4	23.8
10.50	1052	786	603	409	307	269	196	145	108	69.9	52.8	44.0	23.1
10.80	978	734	576	400	297	256	188	140	105	67.4	52.0	41.9	22.5

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GEL Deep Cycle Battery

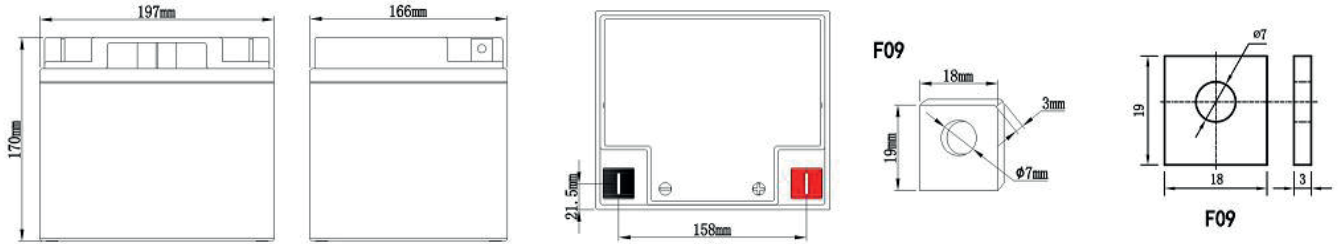
PS- 12350-GS

12V , 35Ah

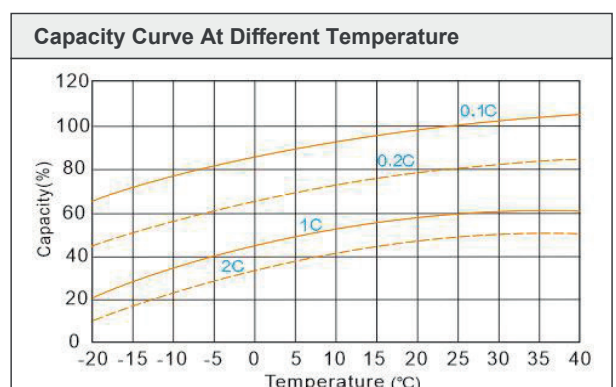
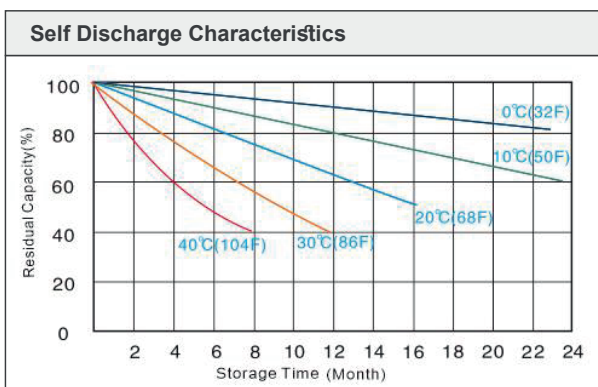
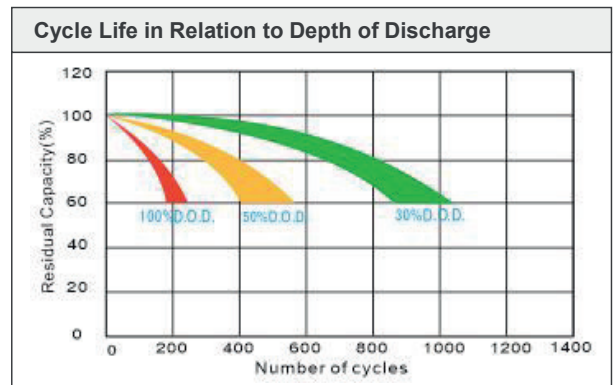
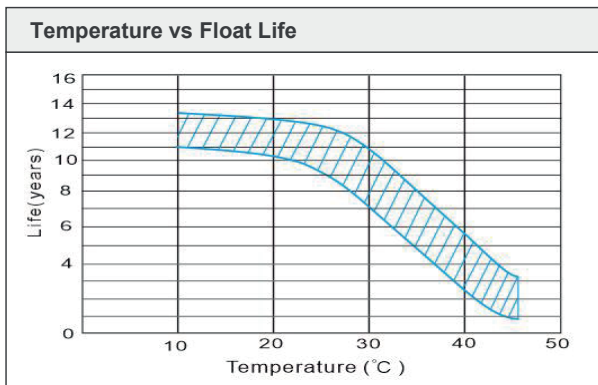
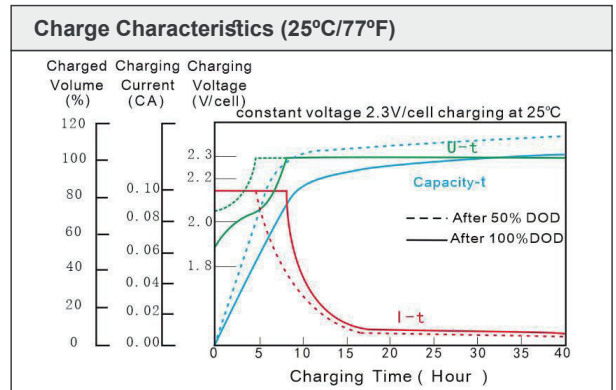
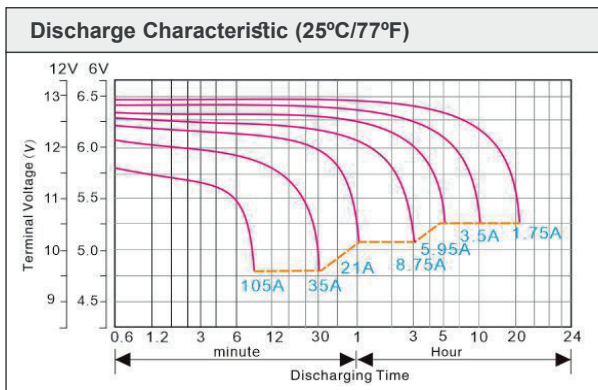
Physical Specifications

Nominal Voltage	Nominal Capacity (10HR)	Dimension				Weight $\pm 3\%$	Internal Resistance (In full charge status)	Standard Terminals
		L	W	H	TH			
12V	35AH	197 \pm 2mm	166 \pm 2mm	170 \pm 2mm	170 \pm 2mm	Approx 11.3kg (24.9lbs)	$\approx 11.0m\Omega$	F09 (standard)

Dimensions(mm)



Performance Characteristics



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