



OPzV1200(2V1200Ah/10hr)

The battery is manufactured with PVC-SiO₂ separator and colloidal or fumed silica. The tubular positive plate and pasted negative plate is applied. The batteries use silica gel to immobilize the electrolyte inside the battery. The proven silica gel technology improves battery cycle life and performance at various ambient temperatures.

Battery Construction

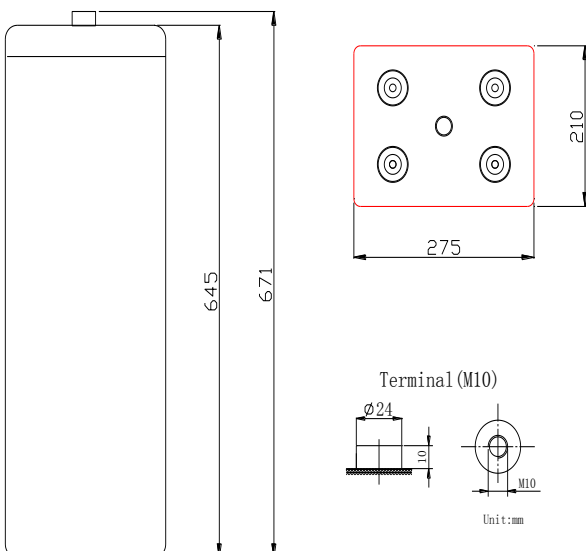
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Tubular	Lead	ABS	ABS	Rubber	Copper	PVC-SiO ₂	Fumed silicon

General Feature

- The battery has a long service life, under float charging, ambient temperature 25°C, it can operate 15-20 years.
- Excellent Recovery from deep discharge and good deep discharge cycle capability.
- the battery has a low self-discharge, keep over 60% of the rated capacity after 2 years stored under 25°C
- High Reliability and Quality

SPECIFICATION

Nominal voltage 2V
 Number of cell 1
 Length(mm/inch) 275/10.8
 Width(mm/inch) 210/8.26
 Height(mm/inch) 645/25.4
 Total Height(mm/inch) 671/26.4
 Approx. Weight (kg/lbs) 90/198.4



Performance Characteristics

Capacity 77°F(25°C)	240 hour rate (6.59A、1.85V)	1582Ah
	48 hour rate (31.2A、1.85V)	1500Ah
	10 hour rate (120A、1.8V)	1200Ah
	3 hour rate (300A、1.8V)	900Ah
Internal Resistance	Full charged Battery 77°F(25°C): 0.26mΩ	
Operating Temperature Range	Discharge: -20~65°C	
	Charge: -10~65°C	
	Storage: -20~65°C	
Self-Discharge 1.5% of capacity declined per month at 20°C (average)		
Max. discharge current 77°F(25°C): 6000A(5S)		
Charge (Constant Voltage)	Float: 2.23~2.27 V/77°F(25°C)	
	Cycle: 2.38~2.42 V/77°F(25°C) Max. Current: 180A	

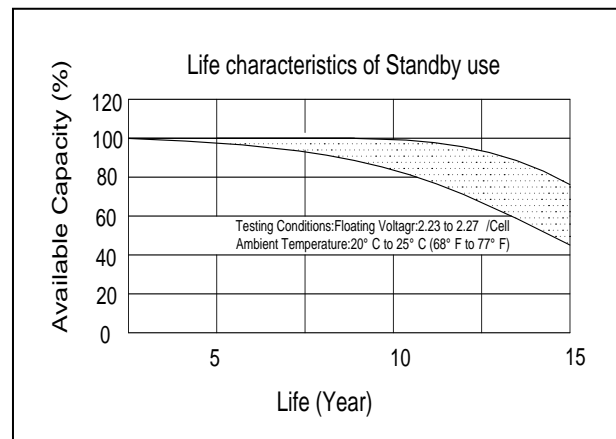
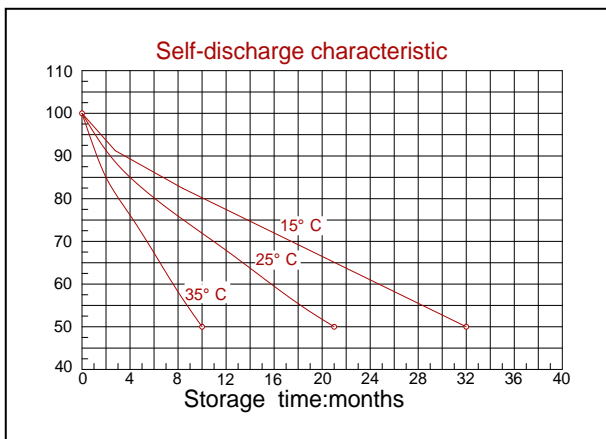
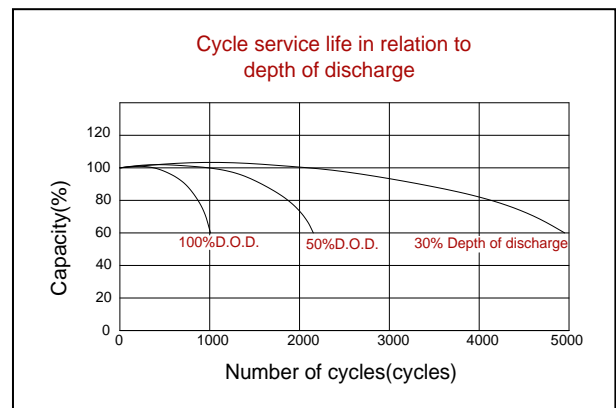
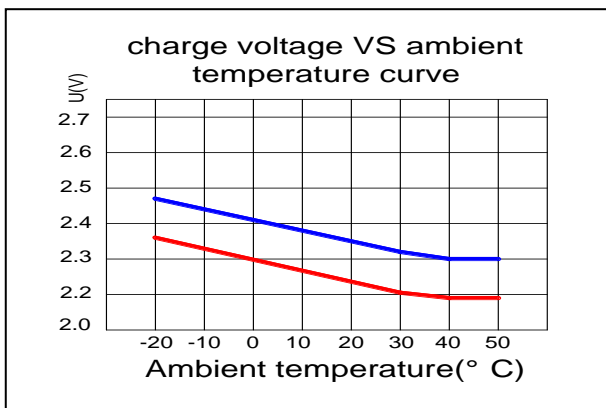
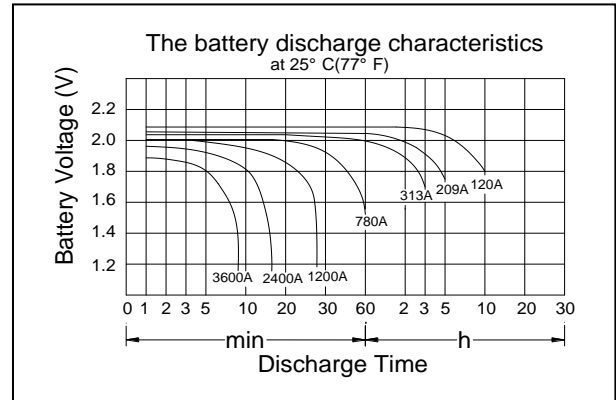
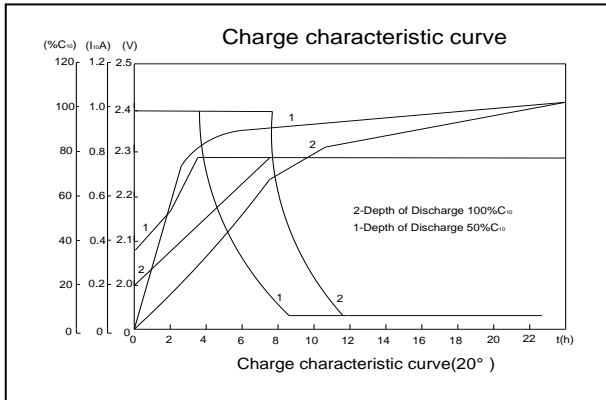
Discharge Constant Current (Amperes at 77° F25°C)

End Point Volts/Cell	15min	30min	1h	3h	5h	10h	24h	48h	120h
1.65V	1512	1128	708	322	227	---	---	---	---
1.70V	1368	1026	666	313	215	---	---	---	---
1.75V	1290	972	624	308	209	122	---	---	---
1.80V	1212	918	612	300	201	120	---	---	---
1.85V	1134	834	587	293	196	113	55.8	31.2	13.2

Discharge Constant Power (watts at 77° F25°C)

End Point Volts/Cell	15min	30min	1h	3h	5h	10h	24h	48h	120h
1.65V	2946	2196	1416	642	451	---	---	---	---
1.70V	2670	1998	1326	624	428	---	---	---	---
1.75V	2514	1896	1248	612	416	244	---	---	---
1.80V	2364	1788	1218	597	400	239	---	---	---
1.85V	2214	1626	1170	584	390	226	111	61.8	26.6

(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.



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