

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.



Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

General Feature

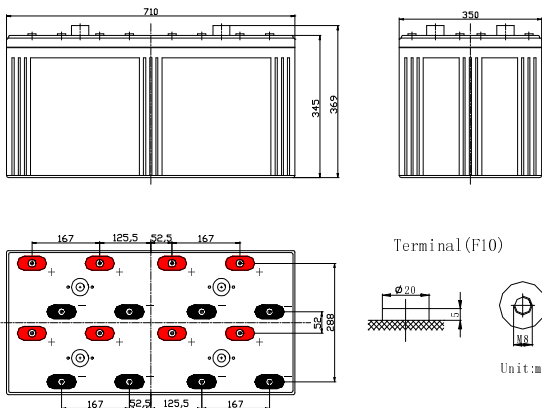
- Absorbent Glass Mat(AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

Performance Characteristics

Capacity 77°F(25°C)	10 hour rate (300A、1.8V)	3000Ah
	5 hour rate (535A、1.75V)	2675Ah
	3 hour rate (770A、1.70V)	2310Ah
	1 hour rate (1850A、1.60V)	1850Ah
Internal Resistance	Full charged Battery77°F(25°C): 0.12mΩ	
Capacity affected by Temperature (10 hour rate)	104° F(40°C)	102%
	77° F(25°C)	100%
	32° F(10°C)	85%
	5° F(-15°C)	65%
Self-Discharge 68°F(20°C)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12month storage	60%
Max. discharge current77°F(25°C): 3000A(5S)		
Charge (Constant Voltage)	Float: 2.25~2.30 V/77° F(25°C)	
	Cycle:2.35~2.45 V/77°F(25°C) Max. Current: 600A	

SPECIFICATION

Nominal voltage 2V
 Number of cell 1
 Length(mm/inch) 710/27.95
 Width(mm/inch) 350/13.8
 Height(mm/inch) 345/13.6
 Total Height(mm/inch) 382/15.04
 Approx. Weight(kg/lbs) 190/418.8



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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V		5140	4020	2980	2160	1850	825	580	319
1.65V		4870	3825	2850	2072	1793	800	562	315
1.70V		4595	2625	2710	1980	1735	770	550	310
1.75V		4305	3420	2570	1883	1675	745	535	305
1.80V		4020	3215	2425	1785	1630	710	525	300

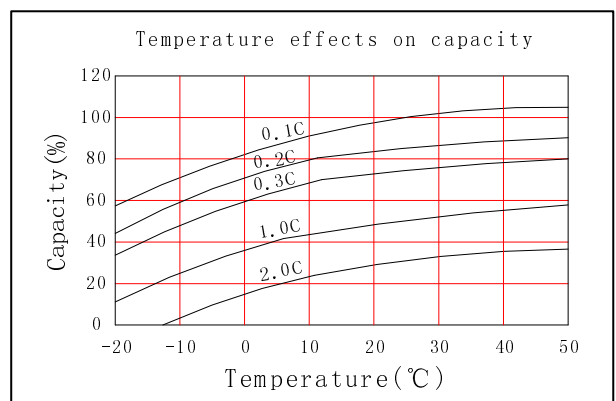
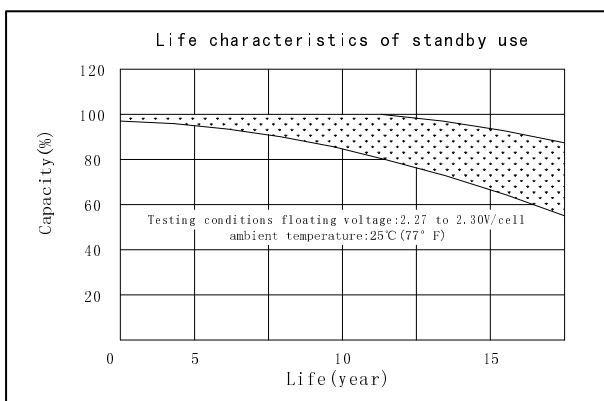
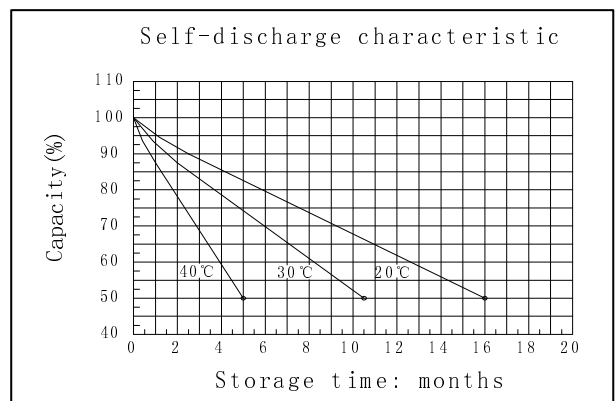
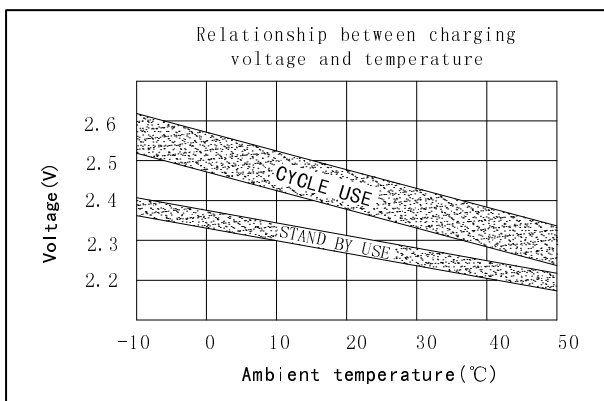
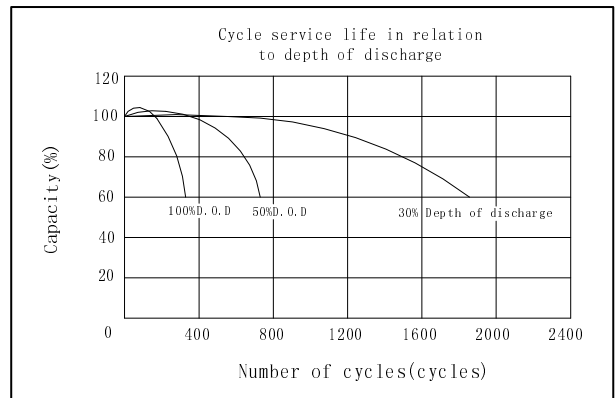
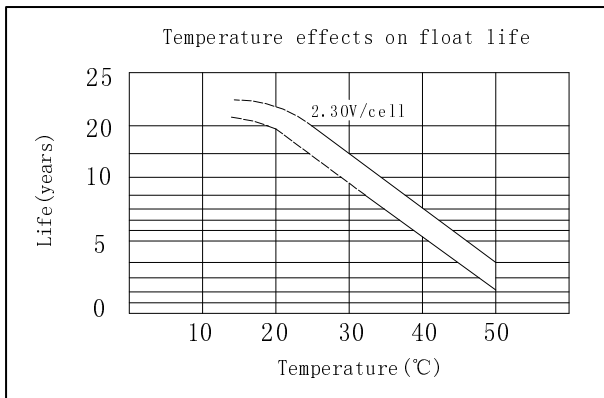
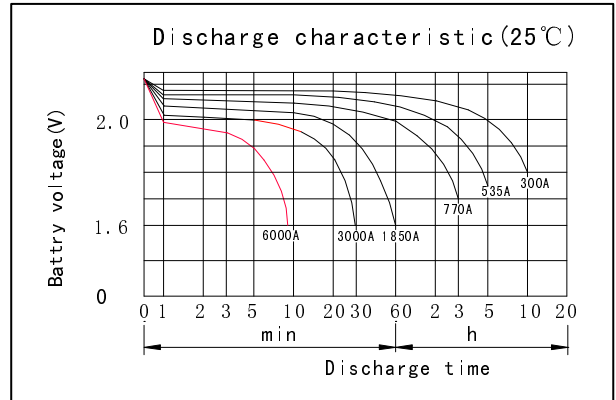
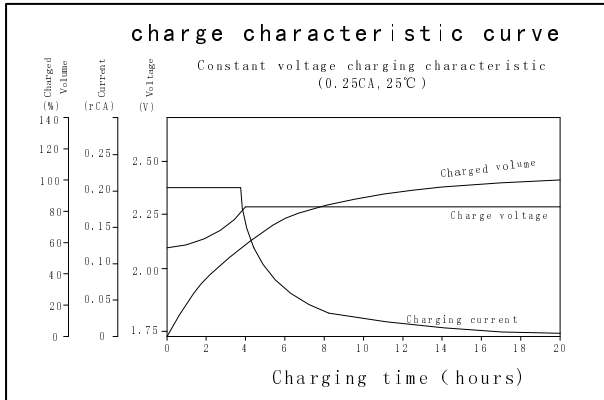
Discharge Constant Power (watts at 77° F 25 °C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		7748	6050	4484	3477	2976	2040	1423	922
1.65V		7344	5759	4286	3338	2895	2017	1386	906
1.70V		6926	5459	4088	3199	2814	1942	1346	888
1.75V		6497	5154	3890	3060	2733	1859	1302	869
1.80V		6062	4845	3692	2921	2652	1770	1268	826

(Note)The above characteristics data are average values obtained

Within three charge/discharge cycles not the minimum values.

Total height with removable cover: 382



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