

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 oneway 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

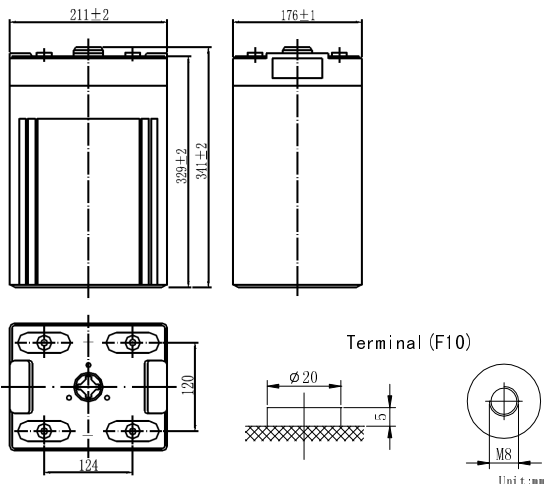
- Absorbent Glass Mat(AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed 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 (40A、1.8V)	400Ah
	5 hour rate (70A、1.75V)	350Ah
	3 hour rate (106A、1.70V)	318Ah
	1 hour rate (245A、1.60V)	245Ah
Internal Resistance	Full charged Battery77°F(25°C): 0.6mΩ	
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): 1600A(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: 80A	

## SPECIFICATION

Nominal voltage ..... 2V  
 Number of cell ..... 1  
 Length(mm/inch) ..... 210/8.27  
 Width(mm/inch) ..... 176/6.93  
 Height(mm/inch) ..... 330/13.0  
 Total Height(mm/inch) ..... 367/14.5  
 Approx. Weight(kg/lbs) ..... 25.5/56.2



Total height with removable cover:367

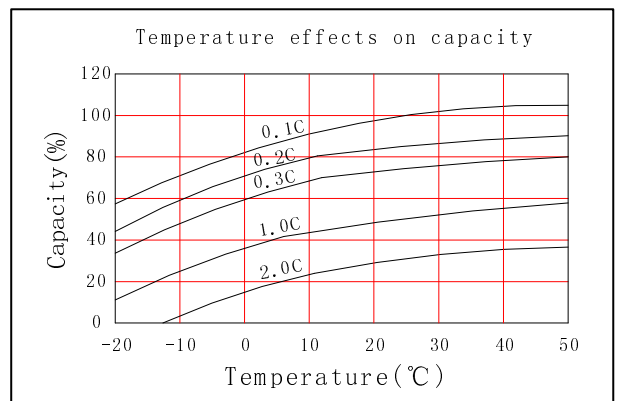
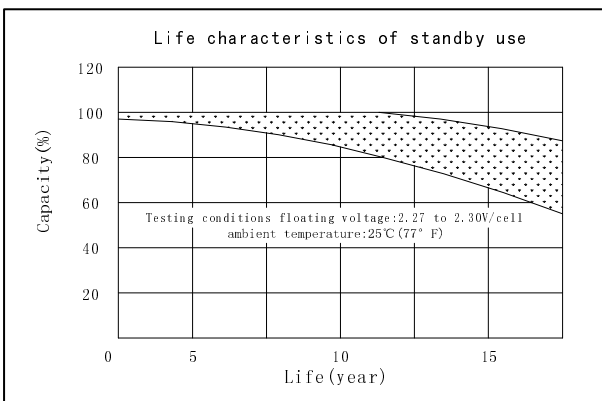
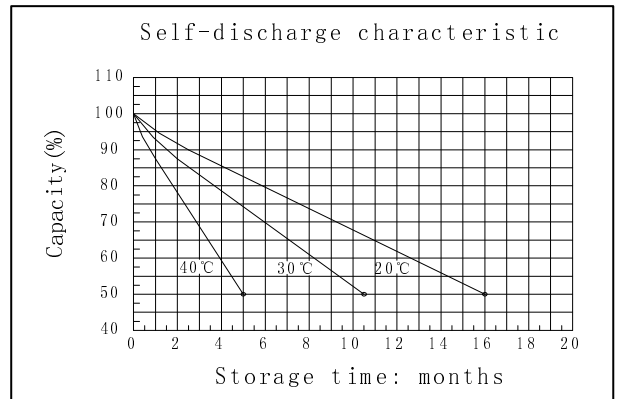
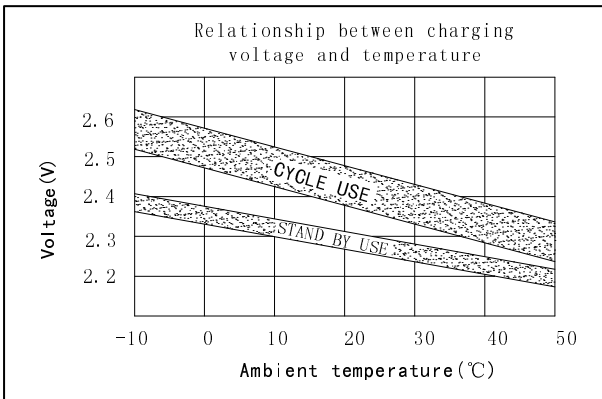
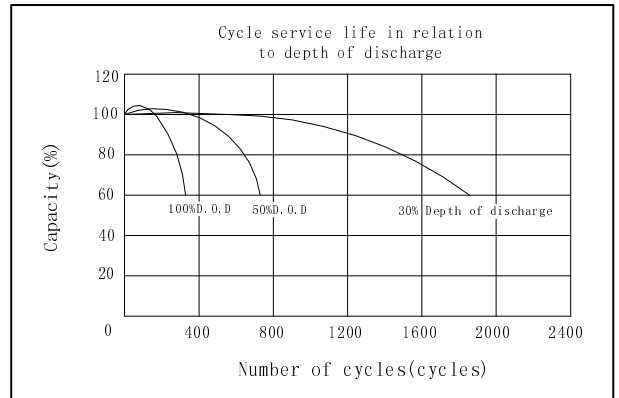
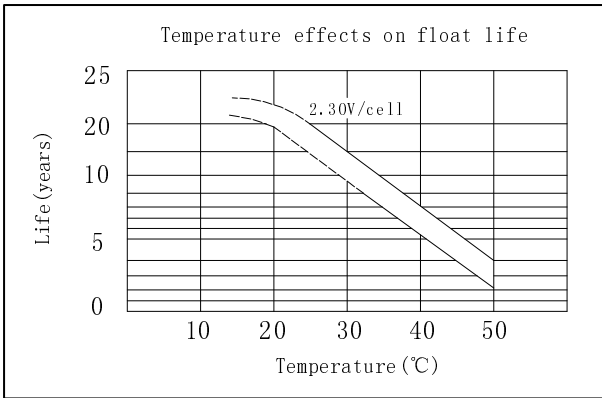
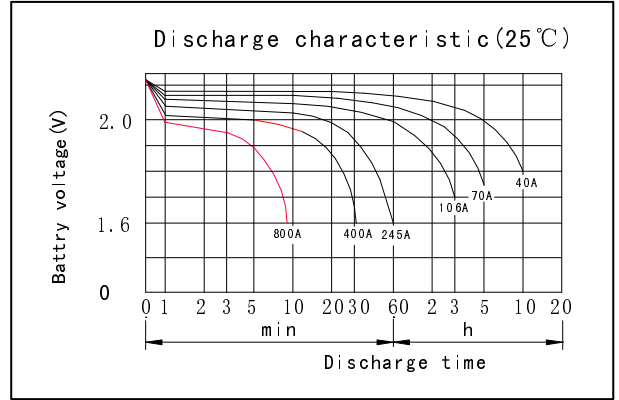
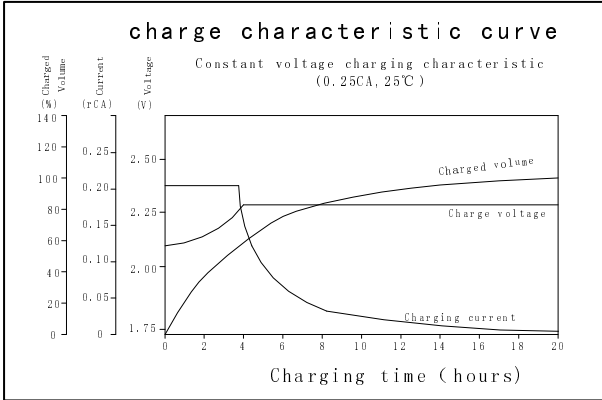
### Discharge Constant Current (Amperes at 77° F25 °C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V		732	587	424	325	245	114	75.5	43.0
1.65V		694	559	405	312	236	110	73.8	42.4
1.70V		654	530	385	298	227	106	71.8	41.7
1.75V		614	500	365	284	217	102	70.0	40.9
1.80V		573	470	344	269	206	98.0	67.0	40.0

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		1285	912	740	643	495	311	215	140
1.65V		1210	863	703	612	473	288	210	138
1.70V		1135	813	665	578	452	272	204	135
1.75V		1061	763	625	545	427	262	198	132
1.80V		987	713	585	511	403	246	188	125

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



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