

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

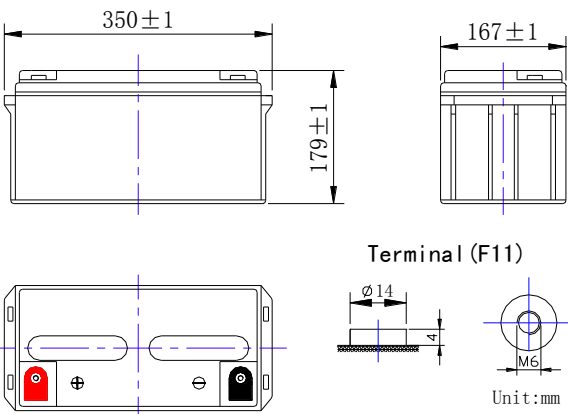
- Absorbent Glass Mat(AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed 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)	20 hour rate (4.2A、10.8V)	84Ah
	10 hour rate (8A、10.5V)	80Ah
	5 hour rate (13.8A、10.5V)	69Ah
	1 hour rate (50A、9.6V)	50Ah
Internal Resistance	Full charged Battery 77 °F(25 °C): 7mΩ	
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 current 77 °F(25 °C): 800A(5S)		
Charge (Constant Voltage)	Float: 13.6~13.8 V/77° F(25°C)	
	Cycle: 14.4~14.7 V/77 °F(25 °C) Max. Current: 20A	

### SPECIFICATION

- Nominal voltage ..... 12V
- Number of cell ..... 6
- Length(mm/inch) ..... 350/13.78
- Width(mm/inch) ..... 167/6.57
- Height(mm/inch) ..... 179/7.05
- Total Height(mm/inch) ..... 179/7.05
- Approx. Weight(kg/lbs) ..... 23.5/51.7



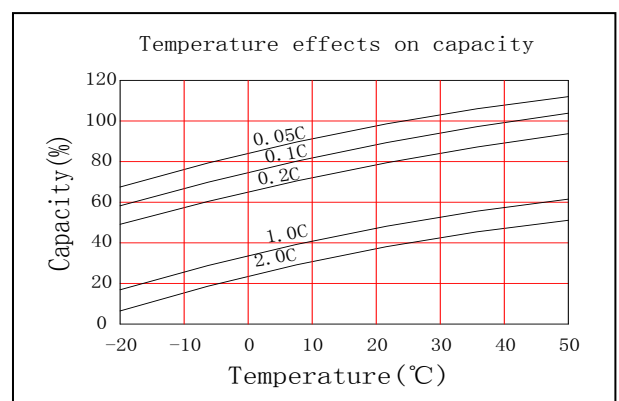
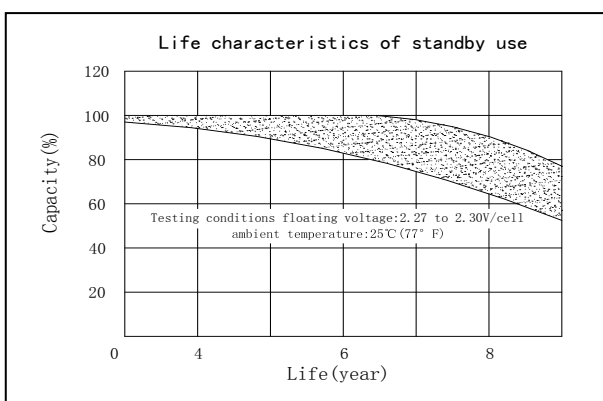
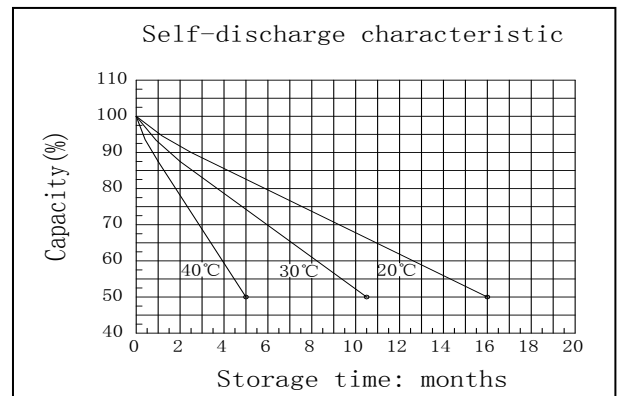
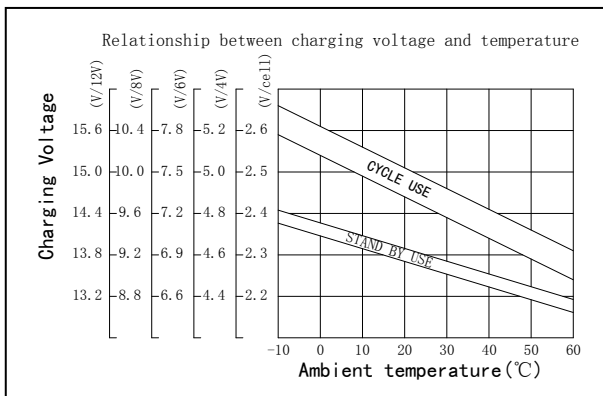
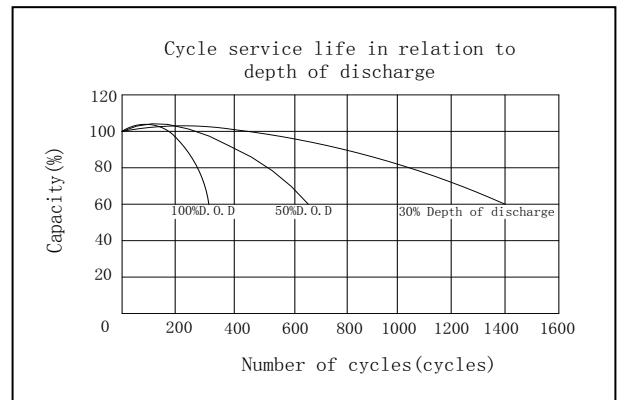
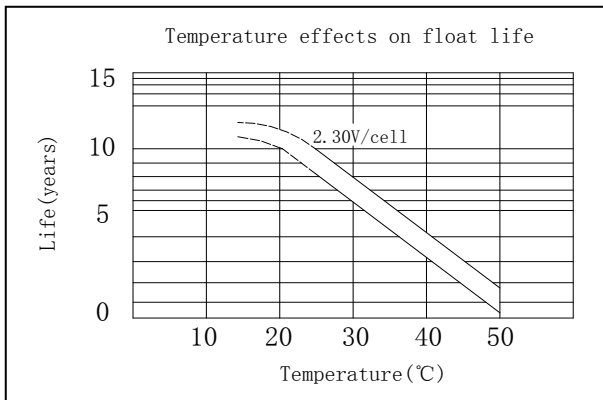
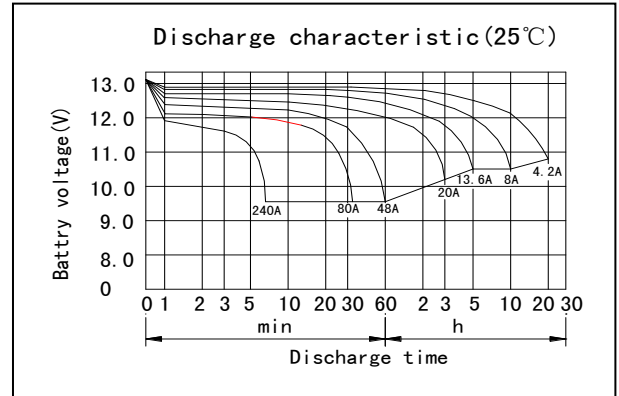
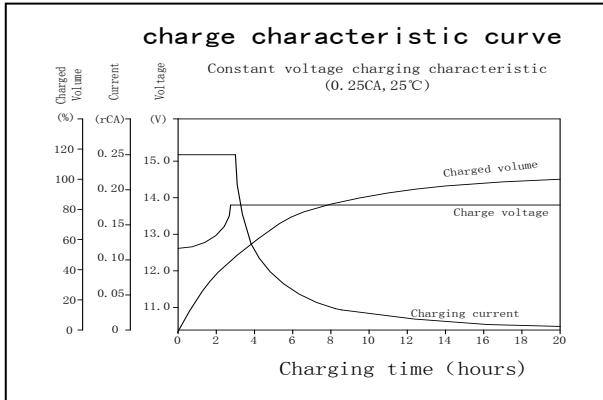
Discharge Constant Current (Amperes at 77° F25)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V									
1.65V									
1.70V									
1.75V									
1.80V									

Discharge Constant Power (watts at 77° F25)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V									
1.65V									
1.70V									
1.75V									
1.80V									

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



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