

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators 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

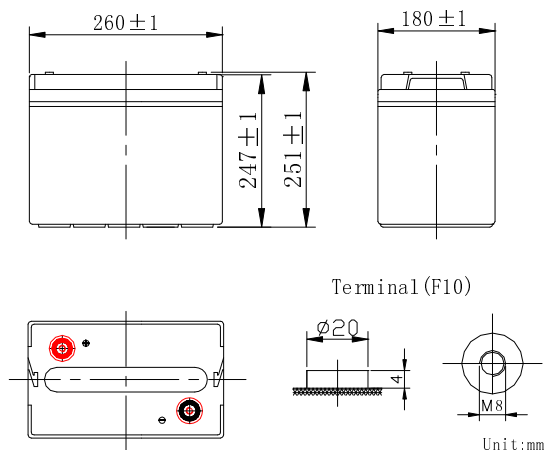
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

## 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.

## Characteristics

Nominal voltage	.....	6V
Length(mm/inch)	.....	260/10.2
Width(mm/inch)	.....	180/7.09
Height(mm/inch)	.....	247/9.72
Total Height(mm/inch)	.....	251/9.88
Approx. Weight(kg/lbs)	.....	31.5/69.4



## Specifications Performance

Ampere Hour Capacity	20HR(11.25A to 5.4V)		10HR(21A to 5.4V)		5HR(39A to 5.25V)	
	225		210		195	
Minutes of Discharge	25A to 5.25V	56A to 5.1V	75A to 5.1V	85A to 5.1V	100A to 4.8V	
	480	192	131	110	85	
Cranking Amps	32° F/0°C: 1050			0° F/-18°C: 775		
Internal resistance	Fully Charged battery 77° F(25°C) : 1.7mΩ					
Operating temperature Range	Discharge		Charge		Storage	
	-20~60°C		-10~50°C		-20~60°C	
Self – Discharge	3% of capacity declined per month at 20°C					
Max. Discharge Current 77° F(25°C)	1000A (5S)					
Short circuit current	2300A					
Charge (Constant Voltage)	Float: 6.80~6.90 V/77° F/(25°C)					
	Cycle: 7.20~7.35 V/77°F/(25°C)			Max. Current: 52.5A		

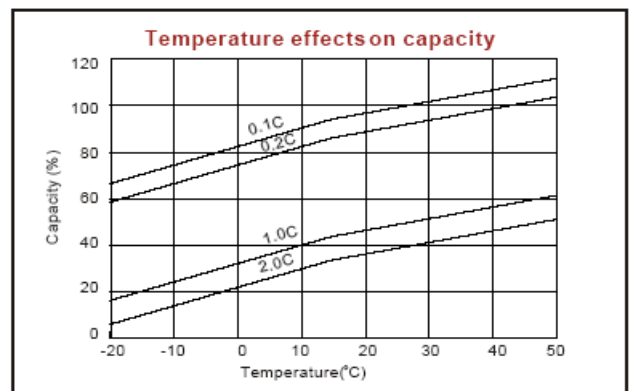
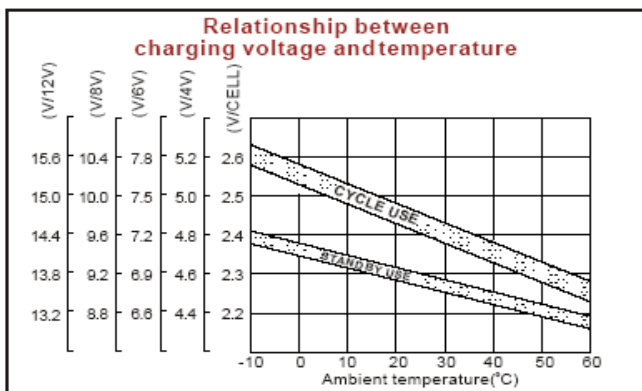
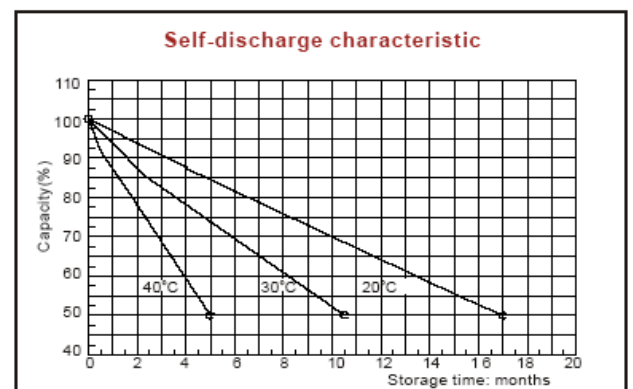
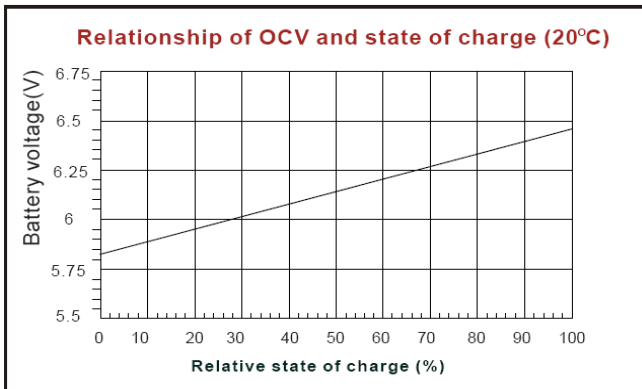
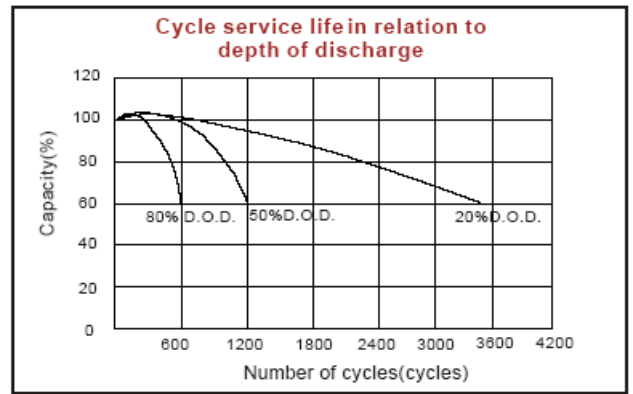
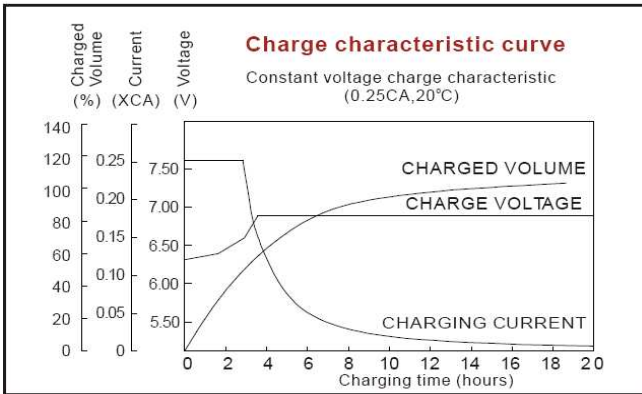
Discharge Constant Current (Amperes at 77° F 25 °C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V			335	220	167	135	59.2	40.1	21.4
1.65V			325	214	164	134	58.7	39.8	21.4
1.70V			313	207	160	132	58.1	39.4	21.3
1.75V			300	199	156	129	57.4	39.0	21.2
1.80V			285	190	151	125	56.6	38.5	21.0

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h	
1.60V				520	380	295	246	153	109	73.0
1.65V				505	370	289	242	151	108	72.4
1.70V				488	359	282	237	148	106	71.7
1.75V				470	347	274	231	145	104	71.0
1.80V				450	334	265	224	141	101	69.1

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



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