

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

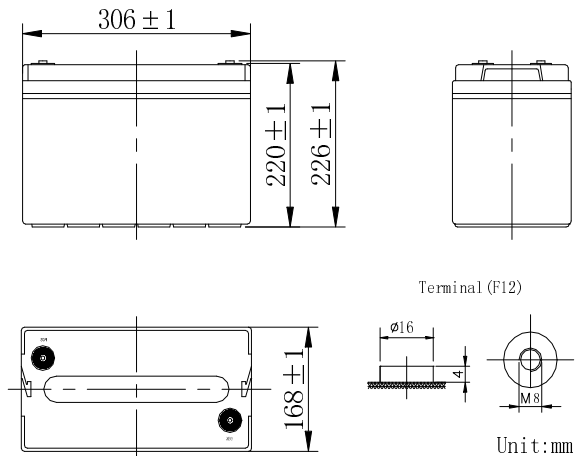
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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)	.....	306/12.0
Width(mm/inch)	.....	168/6.61
Height(mm/inch)	.....	220/8.66
Total Height(mm/inch)	.....	226/8.90
Approx. Weight(kg/lbs)	.....	28.2/62.2



Specifications Performance

Ampere Hour Capacity	20HR(10A to 5.4V)		10HR(18A to 5.4V)		5HR(34A to 5.25V)	
		200		180		170
Minutes of Discharge	25A to 5.25V	56A to 5.1V	75A to 5.1V	85A to 4.8V	100A to 4.8V	
	446	171	116	98	74	
Cranking Amps	32° F/0°C: 1080			0° F/-18°C: 900		
Internal resistance	Fully Charged battery 77° F(25°C) : 2mΩ					
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	3000A					
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: 45A	

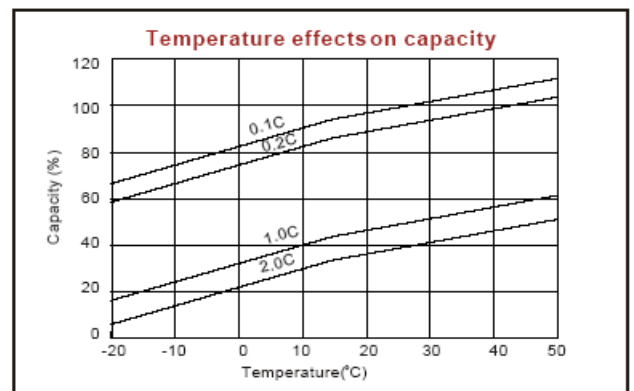
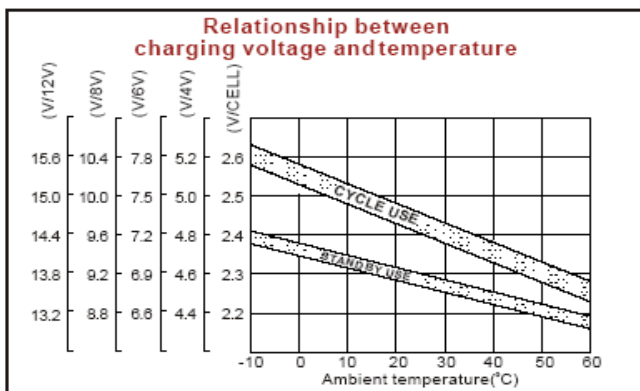
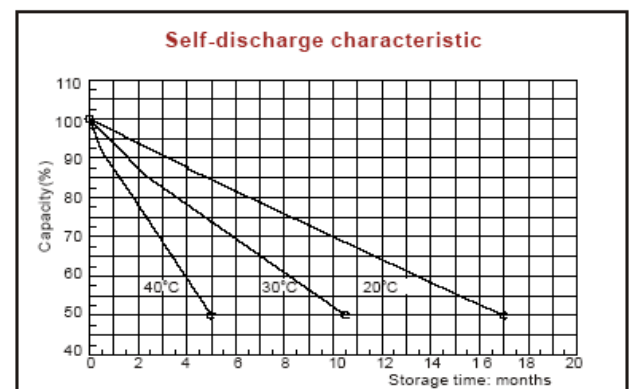
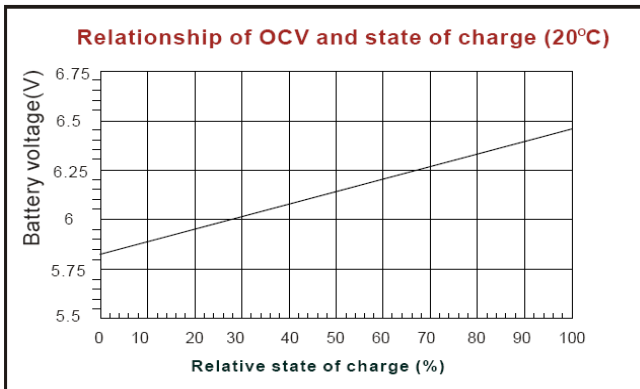
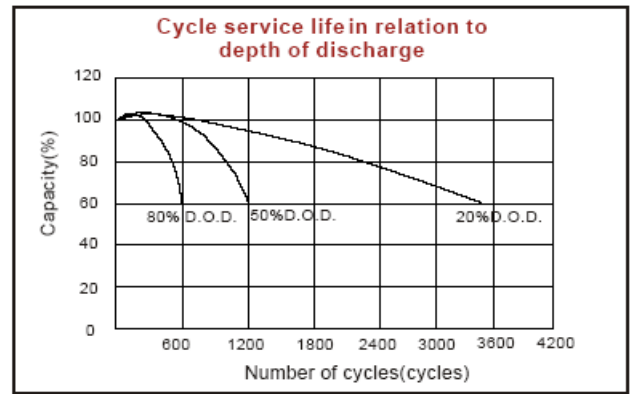
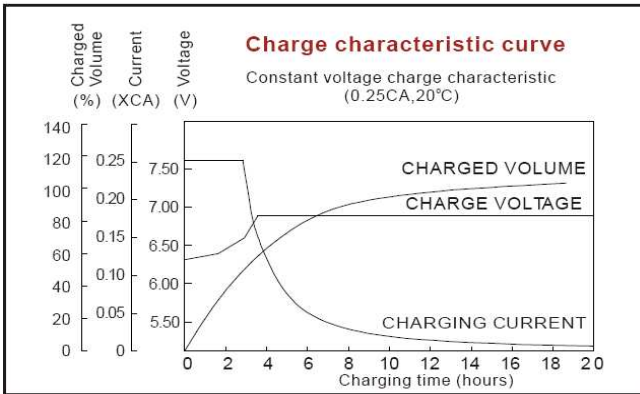
Discharge Constant Current (Amperes at 77° F 25 °C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V		405	335	220	159	127	52.5	35.1	18.5
1.65V		389	323	211	155	125	51.8	34.8	18.4
1.70V		372	310	202	151	123	51.1	34.4	18.3
1.75V		353	296	193	147	121	50.3	34.0	18.2
1.80V		332	280	183	143	118	49.5	33.5	18.0

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		695	590	377	277	236	137	99.5	62.2
1.65V		670	570	364	270	231	135	98.6	61.6
1.70V		643	548	351	262	227	133	97.7	60.9
1.75V		614	524	336	254	221	132	96.7	60.3
1.80V		583	498	322	245	215	129	95.8	59.5

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



DONGGUAN OREMA POWER CO., LTD

Add: #1 Qilinling Road Shahu, Tangxia Town, Dongguan Guangdong China

TEL: +86-769- 3896 1163 +86-769- 3896 1168

FAX: +86-769- 3896 1169



www.oremabattery.com