



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

## UN380-6DC (6V380Ah/10hr)

In case 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.

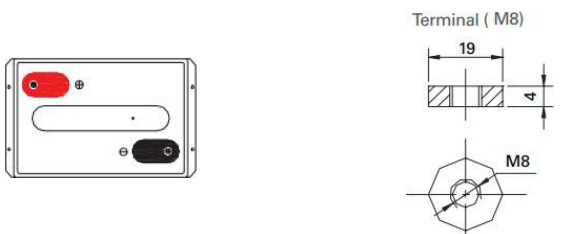
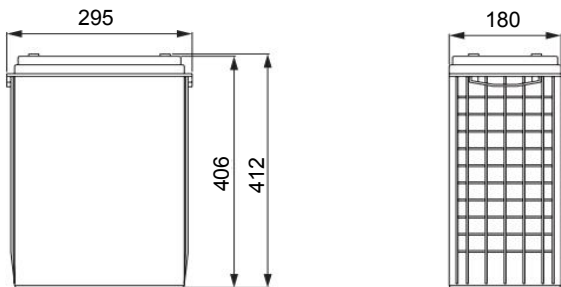
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67. UL-recognized component. Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density. Long service life, float or cyclic applications. Maintenance-free operation.
- Low self discharge.

### Performance Characteristics

Capacity 77°F(25°C)	20 hour rate (20.0A · 5.4V)	400Ah
	10 hour rate (38.0A · 5.4V)	380Ah
	5 hour rate (66.0A · 5.25V)	330Ah
	1 hour rate (235A · 4.8V)	235Ah
Internal Resistance	Full charged Battery 77°F(25°C) :1.7mΩ	
Capacity affected by Temperature (10 hour rate)	77° F(25°C)	100%
	50° F(10°C)	90%
	32° F(0 °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): 1600A(5S)		
Charge (Constant Voltage)	Float : 6.80~6.90 V/77° F/(25°C)	
	Cycle:6.35~6.45 V/77°F/(25°C) Max. Current : 76.0A	

### SPECIFICATION

Nominal voltage..... 6V  
 Length(mm/inch).....295/11.6  
 Width(mm/inch.....180/7.1  
 Height(mm/inch).....406/16.0  
 Total Height(mm/inch).....412/16.2  
 Approx. Weight(kg/lbs).....53/117



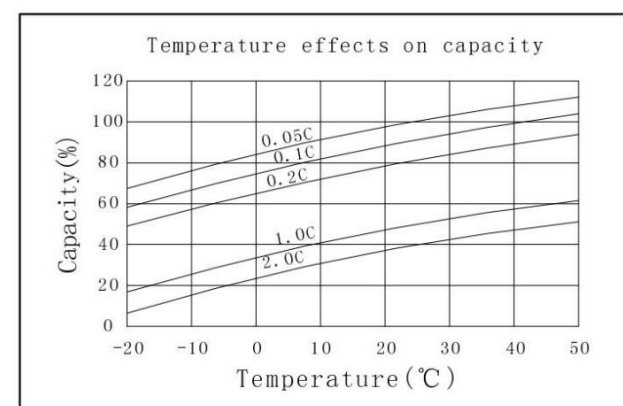
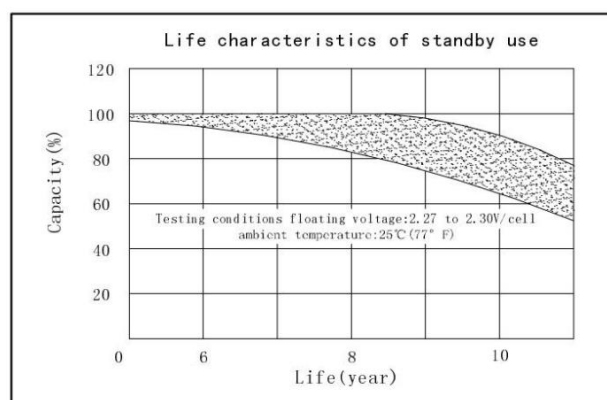
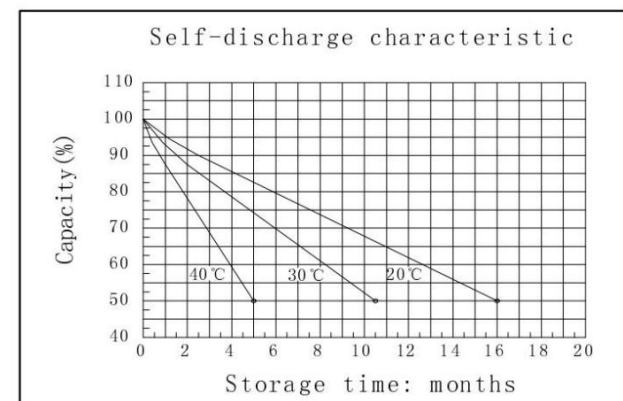
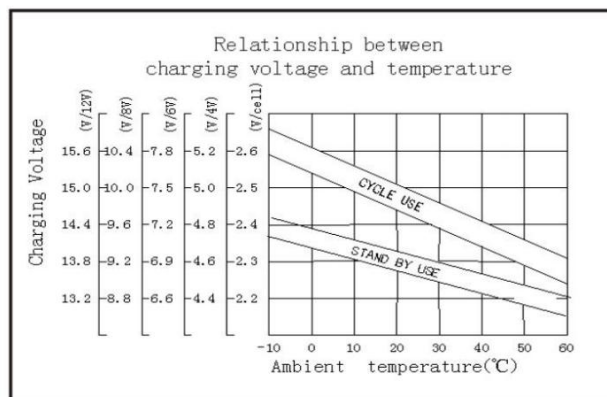
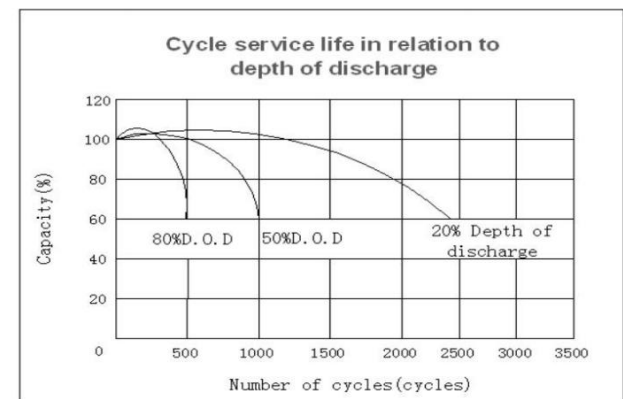
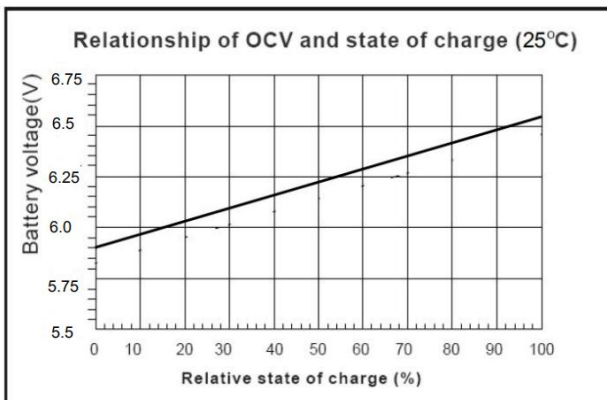
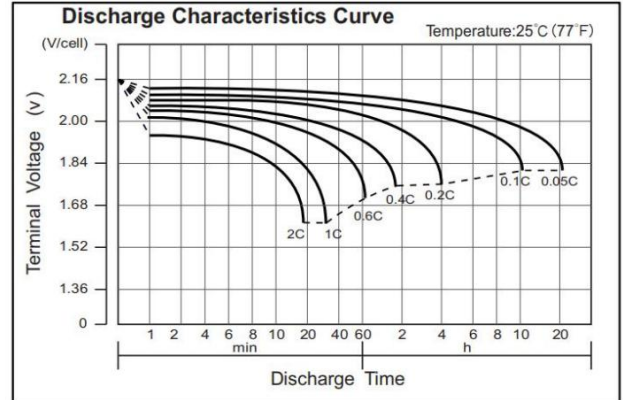
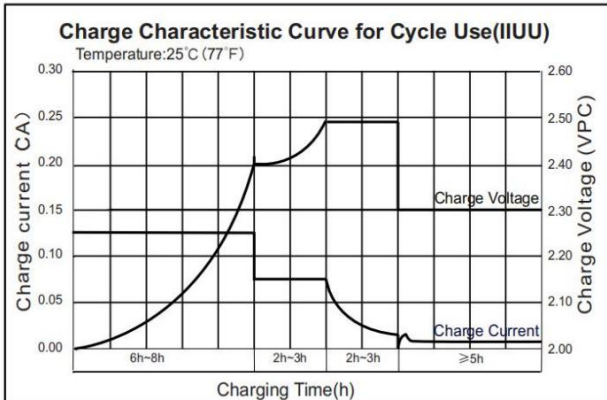
Discharge Constant Current (Amperes at 77° F 25 °C)

End Point Volts/cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V		588	528	366	235	102	70.3	38.8	20.3
1.65V		557	504	346	223	99.1	68.0	38.7	20.2
1.70V		525	478	335	217	95.0	67.5	38.5	20.1
1.75V		483	451	325	210	90.7	66.0	38.4	20.1
1.80V		459	423	310	201	85.5	63.8	38.0	20.0

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

End Point Volts/cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		1020	91m	659	572	472	295	212	134
1.65V		960	879	638	550	455	288	206	132
1.70V		930	8m5	620	530	438	280	202	130
1.75V		861	820	600	510	420	272	196	128
1.80V		800	776	585	489	403	263	190	125

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



**OREMA POWER CO., LTD**

Add: Datang Industry Park Xinfeng Ganzhou City, Jiangxi Province, China

TEL: +86-0797-2299669 +86-0797-2299553

FAX: +86-0797-2299553



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[www.oremabattery.com](http://www.oremabattery.com)