



**UN235-6DC** (6V235Ah/10hr) The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and thus immobilized.

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.

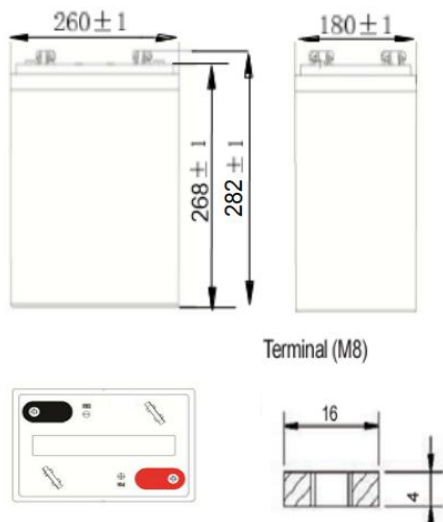
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67. UL-recognized component. Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density. Long service life, float or cyclic applications. Maintenance-free operation.
- Low self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

### Performance Characteristics

Capacity 77°F(25°C)	20 hour rate (12.70A , 5.4V)	254Ah
	10 hour rate (23.5A -5.4V)	235Ah
	5 hour rate (43 A, 5.25V)	215Ah
	1 hour rate (135A, 4.8V)	145Ah
Internal Resistance	Full charged Battery77°F(25°C): 1.8m Ω	
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): 1300A(5S)		
Charge (Constant Voltage)	Float: 6.8~6.9 V/77° F/(25°C)	
	Cycle:7.35~7.45 V/77°F/(25°C) Max. Current: 47A	

### SPECIFICATION

- Nominal voltage..... 6V
- Length(mm/inch).....260/10.2
- Width(mm/inch.....180/7.1
- Height(mm/inch).....268/10.54
- Total Height(mm/inch).....282/11.1
- Approx. Weight(kg/lbs).....36/79



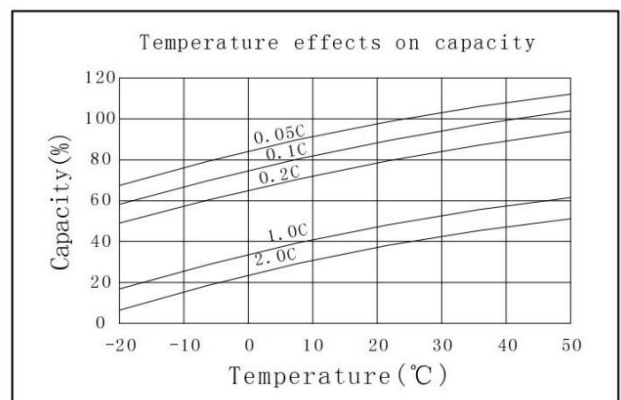
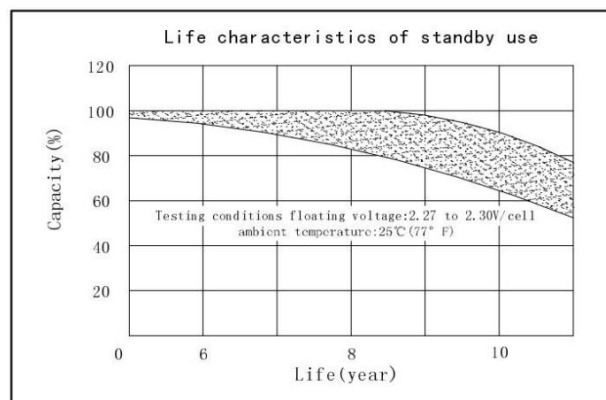
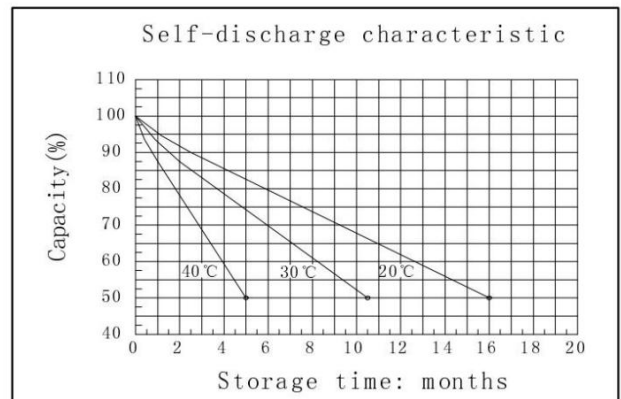
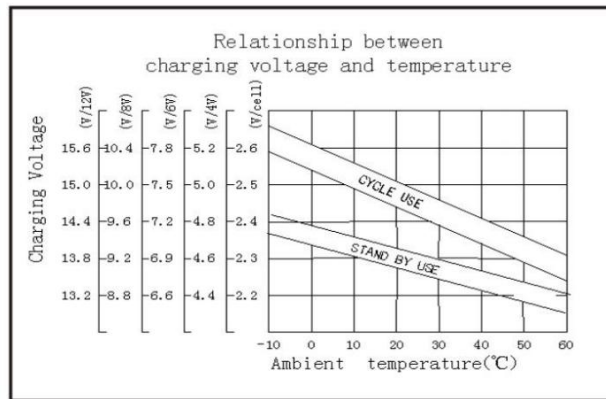
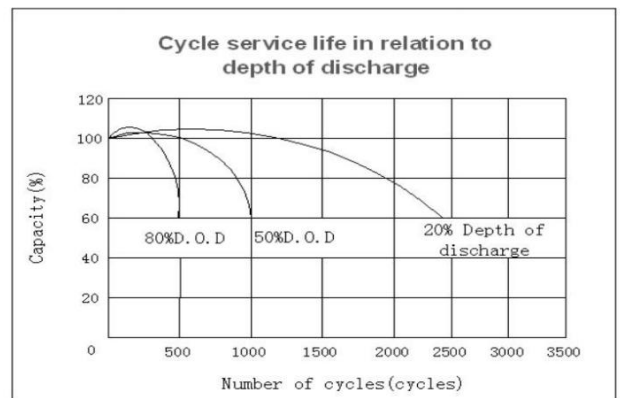
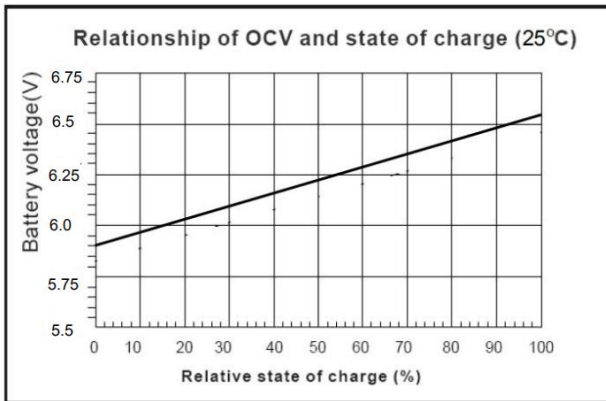
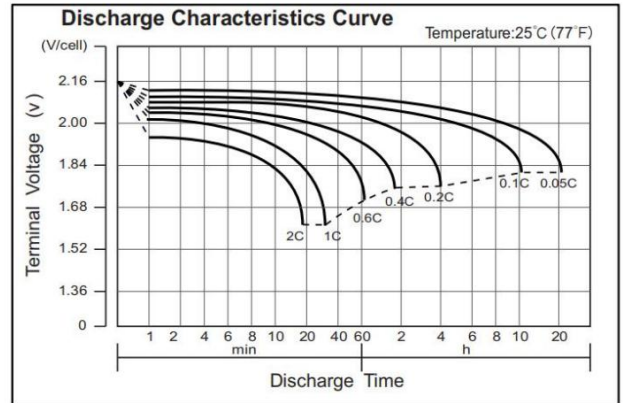
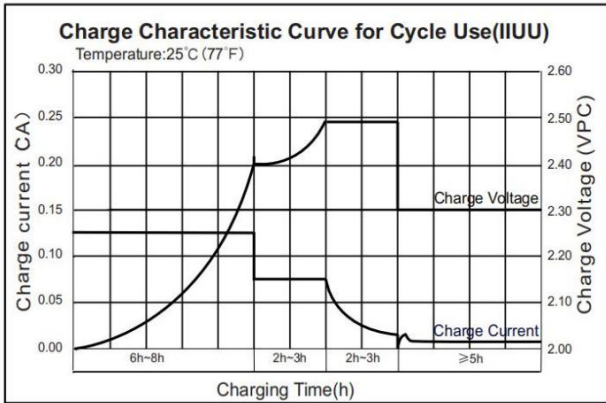
Discharge Constant Current (Amperes at 77° F 25 °C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V		493	391	224	145	68.3	44.3	23.8	13.07
1.65V		465	369	235	143	65.2	43.9	23.8	13.07
1.70V		437	346	226	141	66.0	43.6	23.7	12.95
1.75V		406	323	217	135	64.9	43.0	23.7	12.82
1.80V		372	298	205	131	62.1	42.3	23.5	12.70

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		811	656	429	307	253	164	124	82.1
1.65V		771	634	413	301	250	162	123	81.4
1.70V		730	614	397	295	246	158	121	80.7
1.75V		687	593	381	288	244	155	119	80.1
1.80V		653	558	365	282	242	150	118	79.4

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



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