



UNL2500-2 (2V2500Ah/10hr)

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

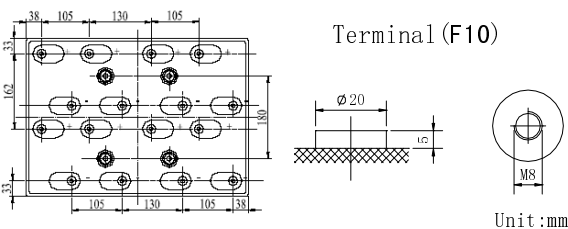
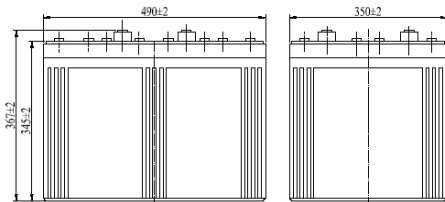
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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.

SPECIFICATION

Nominal voltage 2V
 Number of cell 1
 Length(mm/inch) 490/19.3
 Width(mm/inch) 350/13.8
 Height(mm/inch) 345/13.6
 Total Height(mm/inch) 382/15.04
 Approx. Weight(kg/lbs) 140/308.6



Total height with removable cover: 382

Performance Characteristics

Capacity 77°F(25°C)	10 hour rate (250A、1.8V)	2500Ah
	5 hour rate (450A、1.75V)	2250Ah
	3 hour rate (650A、1.70V)	1950Ah
	1 hour rate (1520A、1.60V)	1520Ah
Internal Resistance	Full charged Battery77°F(25°C): 0.2mΩ	
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): 4000A(5S)		
Charge (Constant Voltage)	Float: 2.25~2.30 V/77° F(25°C)	
	Cycle:2.35~2.45 V/77°F(25°C) Max. Current: 500A	

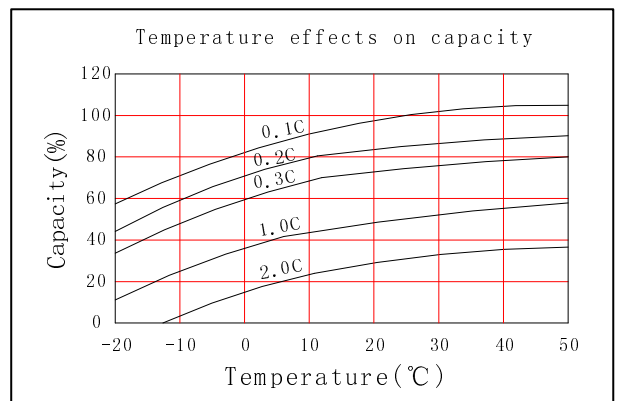
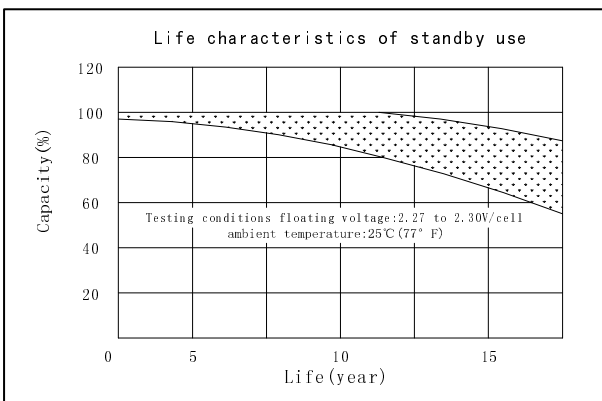
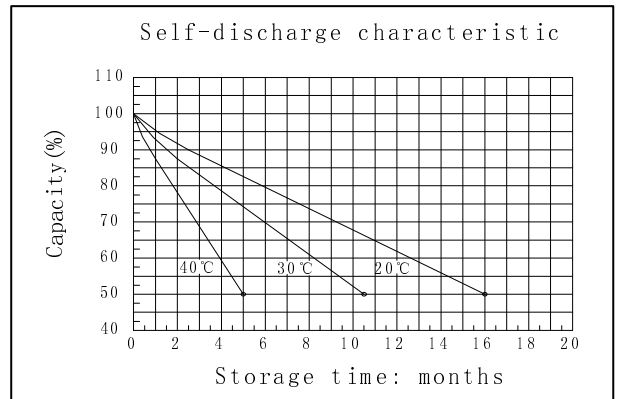
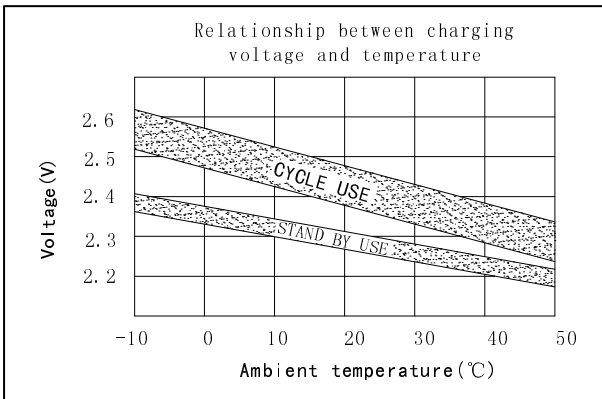
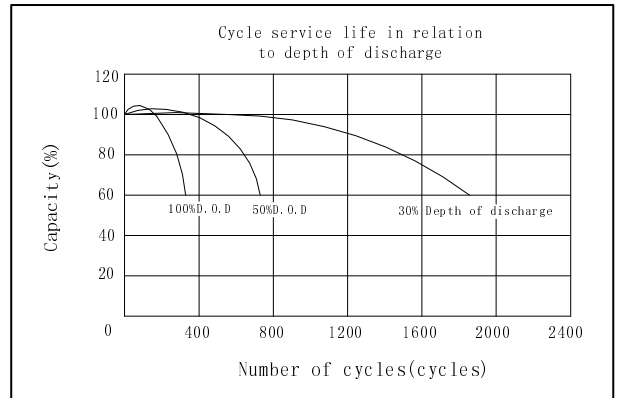
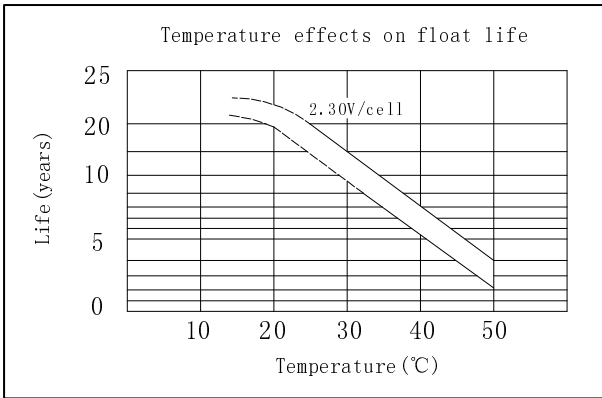
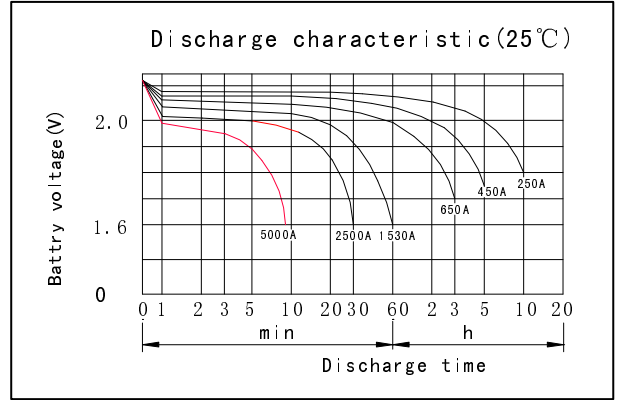
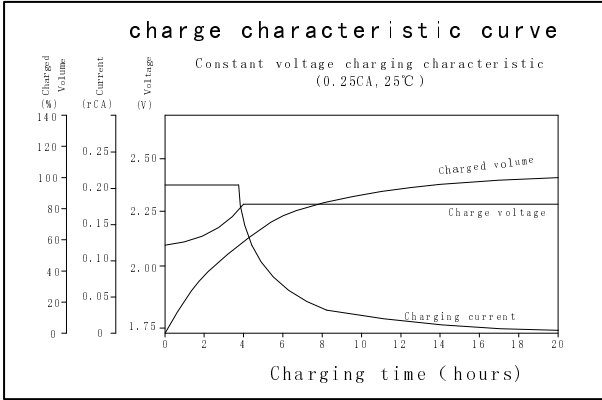
Discharge Constant Current (Amperes at 77° F25 °C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V		4163	3344	2469	1830	1520	675	472	262
1.65V		3944	3184	2360	1756	1495	665	466	260
1.70V		3726	3018	2246	1683	1465	650	458	257
1.75V		3496	2846	2128	1598	1435	638	450	254
1.80V		3254	2674	2010	1512	1400	623	440	250

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		7019	5677	4322	3261	2757	1860	1272	882
1.65V		6614	5372	4105	3112	2662	1788	1251	876
1.70V		6202	5065	3885	2955	2565	1710	1234	865
1.75V		5795	4748	3660	2793	2528	1672	1207	847
1.80V		5387	4436	3430	2635	2385	1592	1130	828

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



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