



UNL2000-2 (2V2000Ah/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

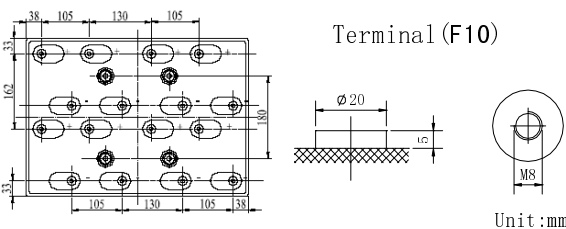
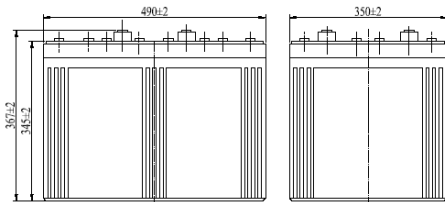
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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) 123/271.1



Total height with removable cover:382

Performance Characteristics

Capacity 77°F(25°C)	10 hour rate (200A、1.8V)	2000Ah
	5 hour rate (358A、1.75V)	1790Ah
	3 hour rate (520A、1.70V)	1560Ah
	1 hour rate (1230A、1.60V)	1230Ah
Internal Resistance	Full charged Battery77°F(25°C): 0.3mΩ	
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): 3000A(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: 400A	

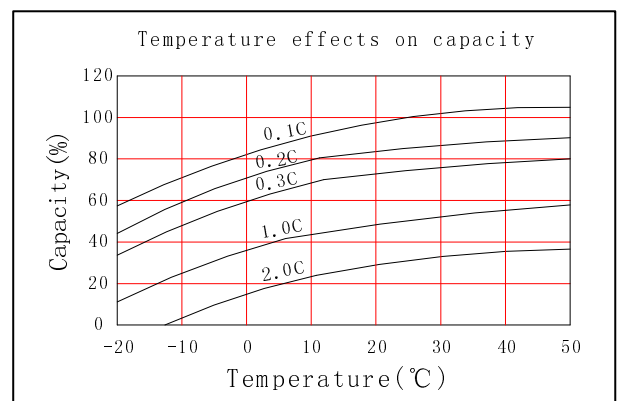
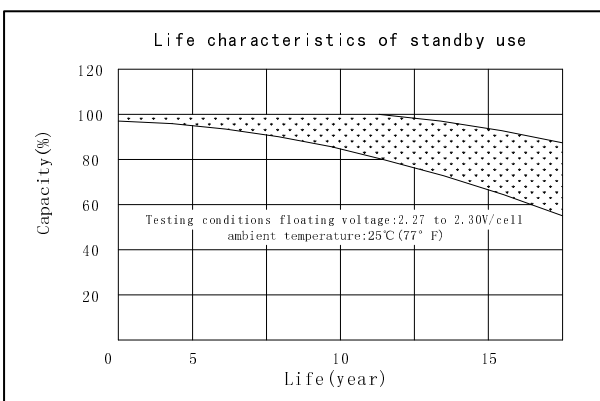
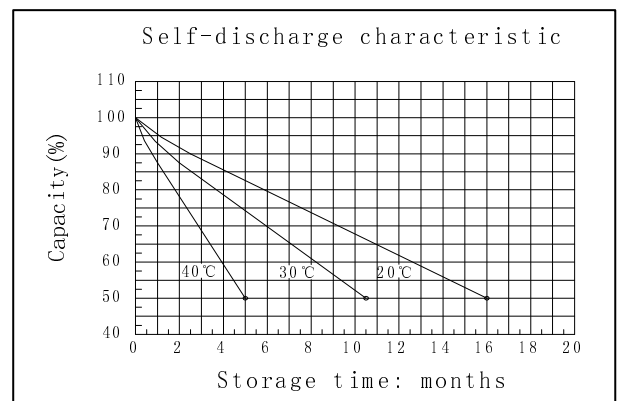
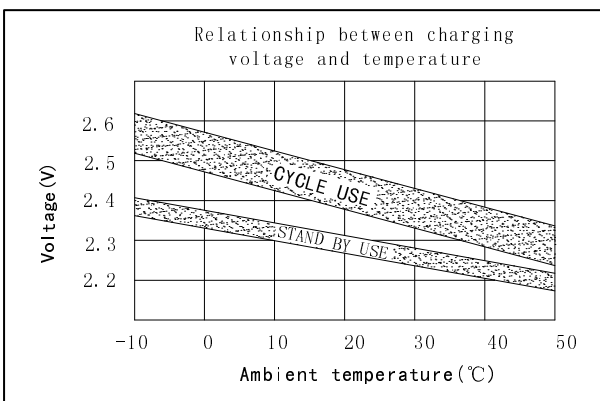
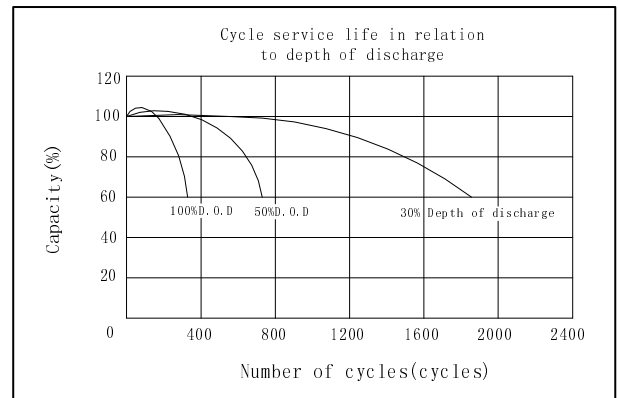
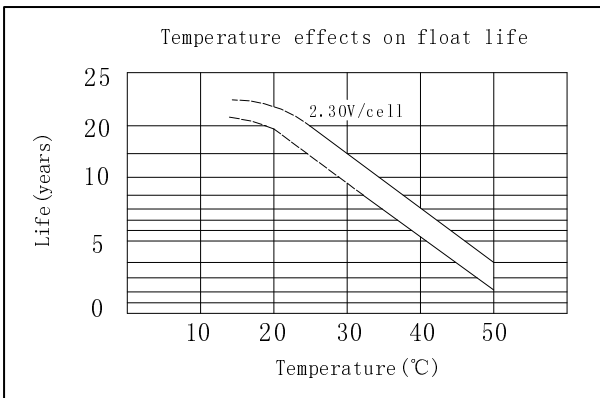
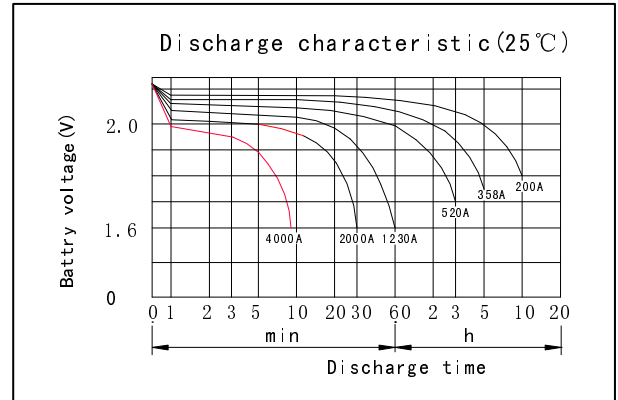
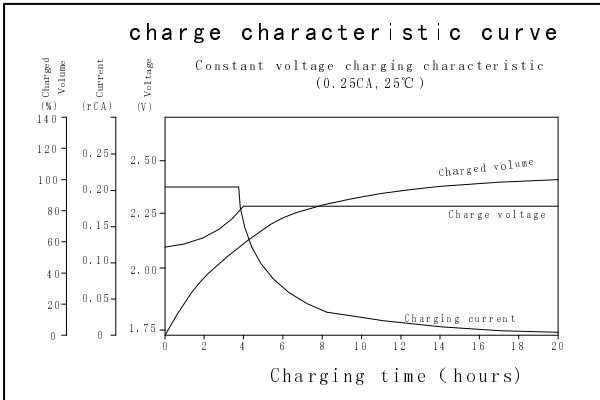
Discharge Constant Current (Amperes at 77° F25 °C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1. 60V		3620	2725	2100	1500	1230	545	384	214
1. 65V		3430	2295	2008	1440	1205	535	378	211
1. 70V		3240	2460	1910	1380	1180	520	370	208
1. 75V		3040	2320	1810	1310	1150	500	358	204
1. 80V		2830	2180	1710	1240	1120	480	345	200

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1. 60V		5754	4654	3543	2673	2206	1488	1018	706
1. 65V		5422	4404	3365	2551	2130	1431	1001	701
1. 70V		5084	4152	3185	2422	2052	1368	987	692
1. 75V		4750	3892	3000	2290	2023	1338	966	678
1. 80V		4416	3636	2812	2160	1908	1274	904	663

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



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