

UNL1500-2 (2V1500Ah/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

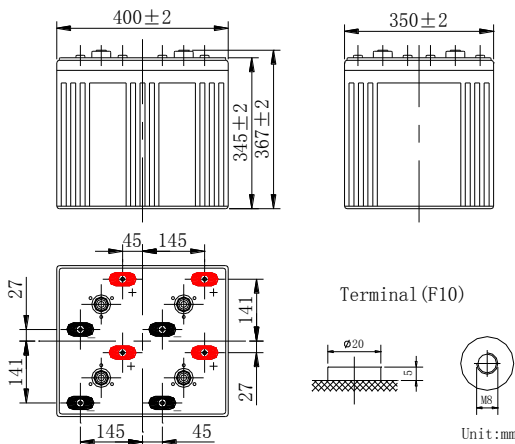
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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) 400/15.75
 Width(mm/inch) 350/13.8
 Height(mm/inch) 345/13.6
 Total Height(mm/inch) 382/15.04
 Approx. Weight (kg/lbs) 98/216



Total height with removable cover:382

Performance Characteristics

Capacity 77 F(25°C)	10 hour rate (150A、1.8V)	1500Ah
	5 hour rate (268A、1.75V)	1340Ah
	3 hour rate (378A、1.70V)	1134Ah
	1 hour rate (920A、1.60V)	920Ah
Internal Resistance	Full charged Battery77 F(25°C): 0.11mΩ	
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)	3% of Capacity declined per month	
Short Circuit Current: 11950A		
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: 300A	

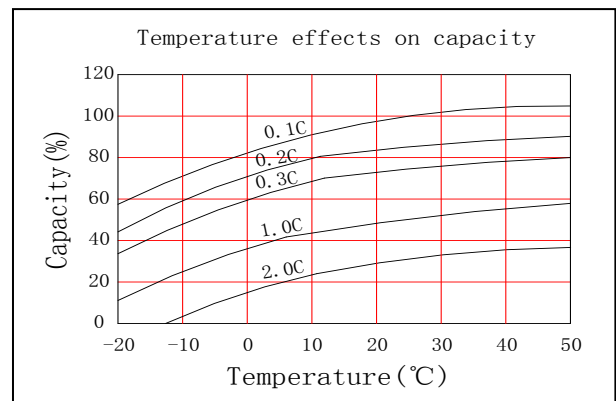
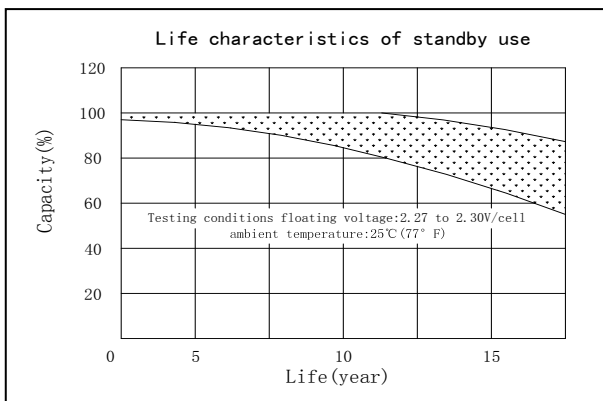
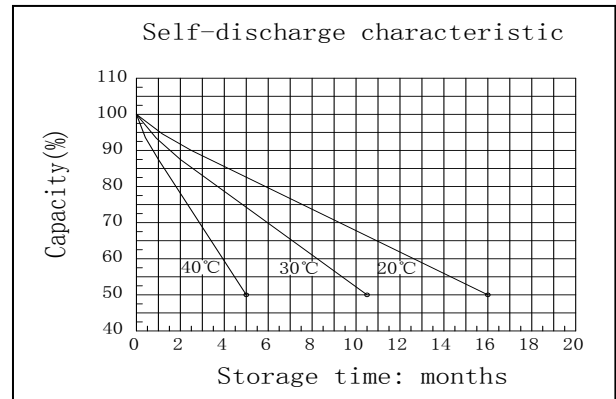
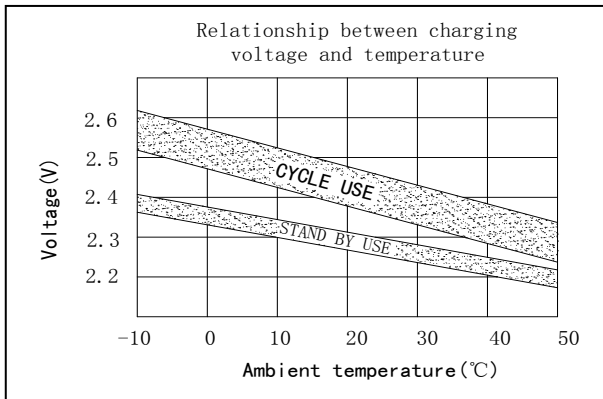
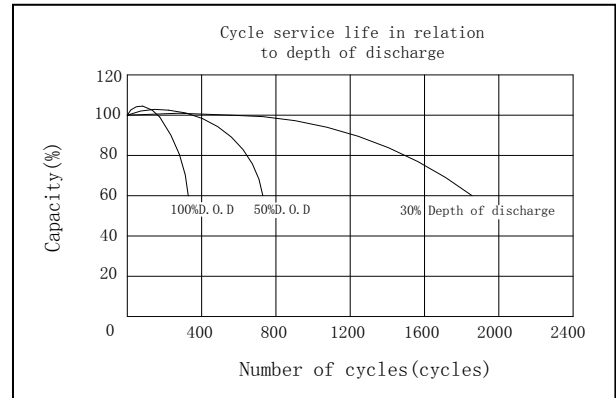
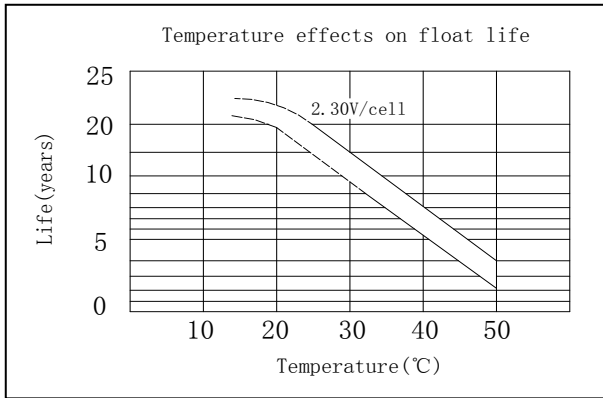
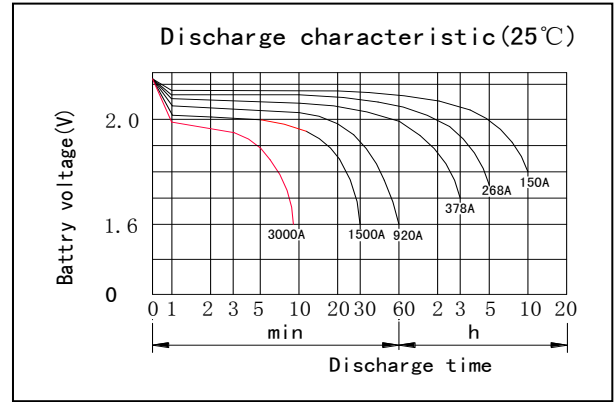
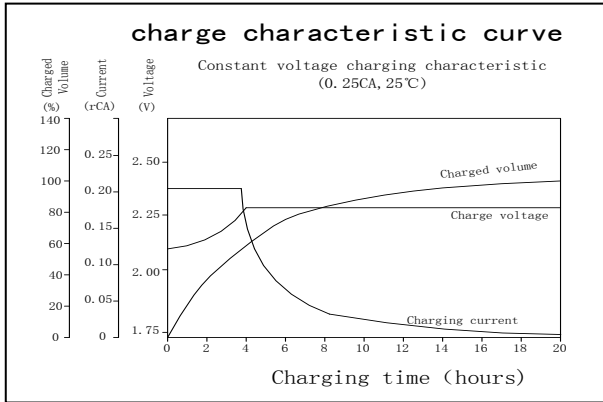
Discharge Constant Current (Amperes at 77° F25°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V		2715	2040	1490	1125	920	398	286	160
1.65V		2573	1942	1425	1080	892	388	280	157
1.70V		2425	1840	1357	1032	862	378	274	155
1.75V		2275	1735	1285	983	830	367	268	152
1.80V		2120	1630	1220	931	795	355	260	150

Discharge Constant Power (watts at 77° F25°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		4267	3451	2495	1990	1638	975	745	526
1.65V		4022	3266	2368	1899	1563	930	723	520
1.70V		3772	3077	2242	1804	1491	887	701	515
1.75V		3524	2887	2112	1705	1446	860	679	501
1.80V		3276	2695	1979	1609	1335	794	657	492

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



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