



UNLG1500-2 (2V1500Ah/10hr)



UNLG Series is GEL battery which is manufactured with AGM separator and colloidal Silicon. Gel battery are featured with low self-discharge, strong ability to recover from deep discharging, excellent cycle life and performance at cold ambient temperatures than conventional VRLA

Battery Construction

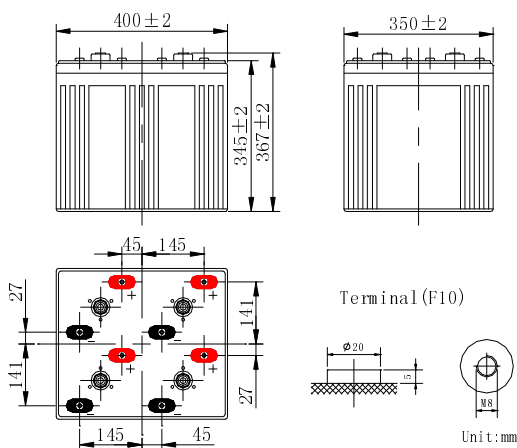
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Colloidal silicon

General Feature

- Micro millimeter SiO₂ and H₂SO₄ 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) 400/15.8
 Width(mm/inch) 350/13.8
 Height(mm/inch) 345/13.6
 Total Height(mm/inch) 382/15.04
 Approx. Weight (kg/lbs) 95/209.4



Performance Characteristics

Capacity 77°F(25°C)	100 hour rate (18A、1.85V)	1800Ah
	20 hour rate (79A、1.8V)	1580Ah
	10 hour rate (150A、1.8V)	1500Ah
	1 hour rate (900A、1.6V)	900Ah
Internal Resistance	Full charged Battery 77°F(25°C): 0.3mΩ	
Operating Temperature Range	Discharge: -20~60°C	
	Charge: -10~60°C	
	Storage: -20~60°C	
Self-Discharge 3% of capacity declined per month at 20°C(average)		
Max. discharge current 77°F(25°C): 3000A(5S)		
Charge (Constant Voltage)	Float: 2.23~2.28 V/77° F/(25°C)	
	Cycle: 2.38~2.42 V/77°F/(25°C) Max. Current: 300A	

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

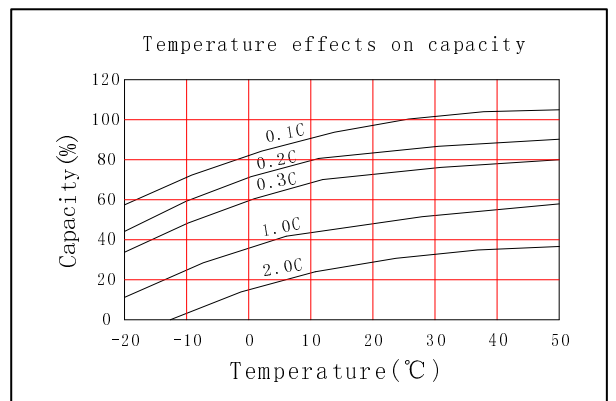
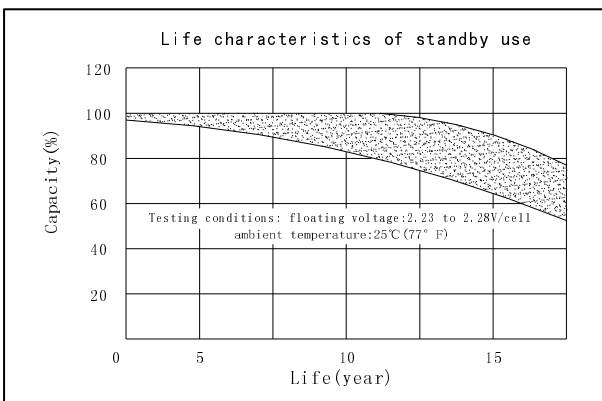
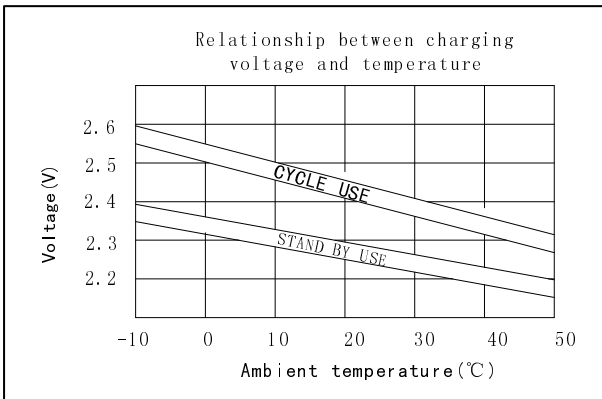
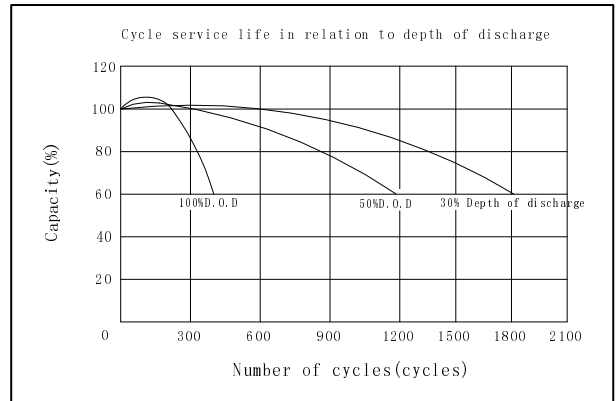
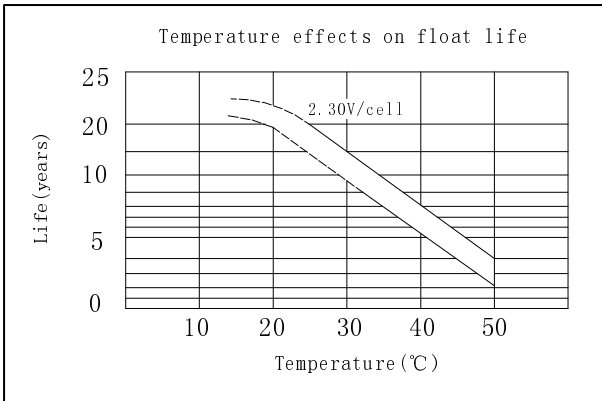
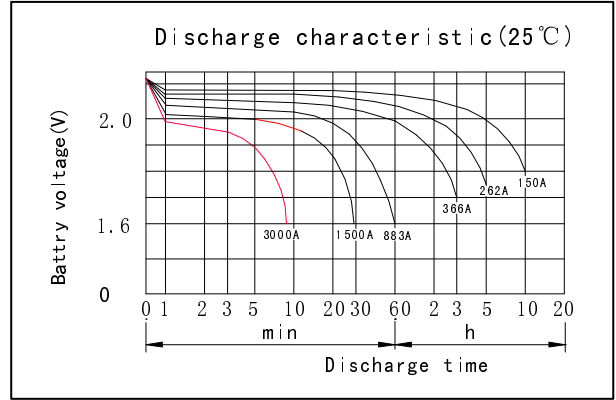
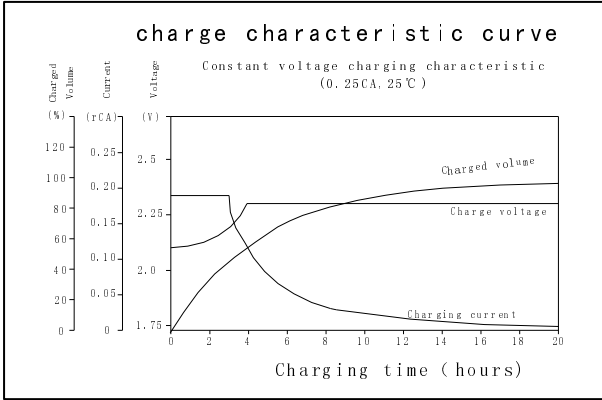
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V		2552	1917	1415	1068	883	386	280	157
1.65V		2418	1825	1353	1026	856	376	274	156
1.70V		2280	1729	1289	980	827	366	268	154
1.75V		2138	1630	1220	934	797	356	262	152
1.80V		1993	1532	1159	884	763	344	255	150

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		4011	3243	2370	1890	1572	945	722	515
1.65V		3780	3070	2250	1804	1500	902	701	509
1.70V		3545	2892	2130	1714	1431	860	680	504
1.75V		3312	2713	2006	1620	1388	834	659	491
1.80V		3079	2533	1880	1528	1281	770	637	482

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

Total height with removable cover: 382



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