UNL800-2 *(2V800Ah/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 bydrogen 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

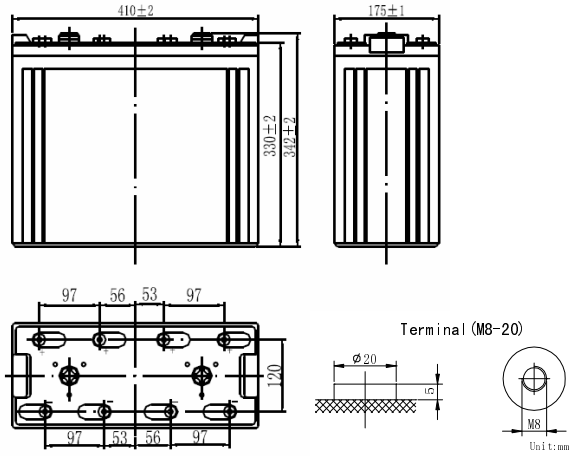
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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) ····· 41016.14
Width(mm/inch ····· 175/6.89
Height(mm/inch) ····· 330/13.0
Total Height(mm/inch) ····· 367/14.45
Approx. Weight(kg/lbs) ····· 52/114.6



Total height with removable cover:367

Performance Characteristics

Capacity 77°F(25℃)	10 hour rate (80A、1.8V)	800Ah
	5 hour rate (142A、1.75V)	710Ah
	3 hour rate (205A、1.70V)	615Ah
	1 hour rate (495A、1.60V)	495Ah
Internal Resistance	Full charged Battery77°F(25℃)：0.6mΩ	
Capacity affected by Temperature (10 hour rate)	104° F(40℃)	102%
	77° F(25℃)	100%
	32° F(10℃)	85%
	5° F(-15℃)	65%
Self-Discharge 68°F(20℃)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12month storage	60%
Max. discharge current77°F(25℃): 2500A(5S)		
Charge (Constant Voltage)	Float：2.25～2.30 V/77° F/(25℃)	
	Cycle:2.35～2.45 V/77°F/(25℃) Max. Current：160A	

Discharge Constant Current (Amperes at 77° F25 ℃)

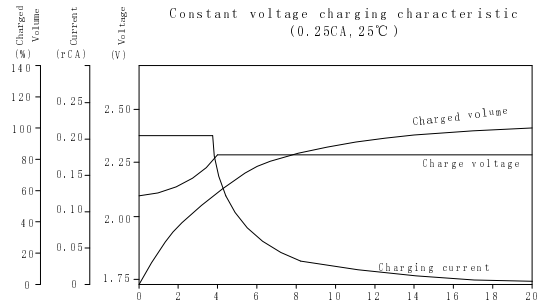
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	3h	5h	10h
1.60V		1570	1280	828	649	495	220	154	85.5
1.65V		1489	1218	791	622	476	213	150	84.1
1.70V		1404	1154	752	595	456	205	146	82.8
1.75V		1317	1087	714	566	436	199	142	81.5
1.80V		1228	1022	673	535	415	193	137	80.0

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

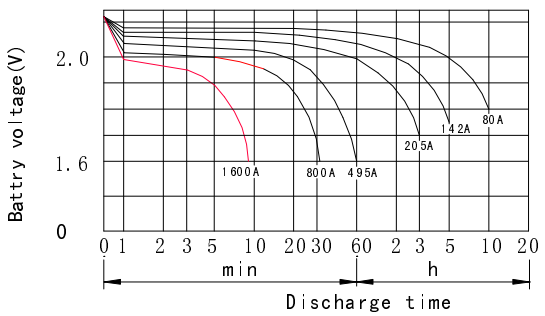
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		2394	1995	1497	1133	936	632	451	303
1.65V		2255	1887	1422	1081	896	613	432	298
1.70V		2115	1777	1346	1027	855	594	413	292
1.75V		1975	1667	1267	971	812	575	394	286
1.80V		1837	1557	1189	915	769	556	375	271

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

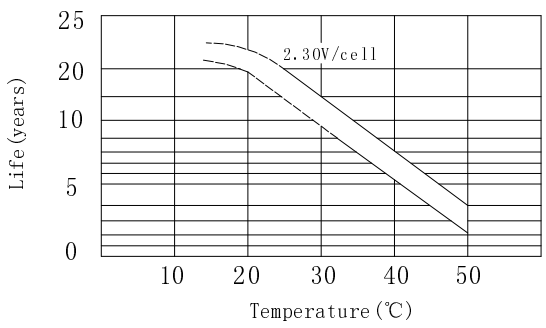
charge characteristic curve



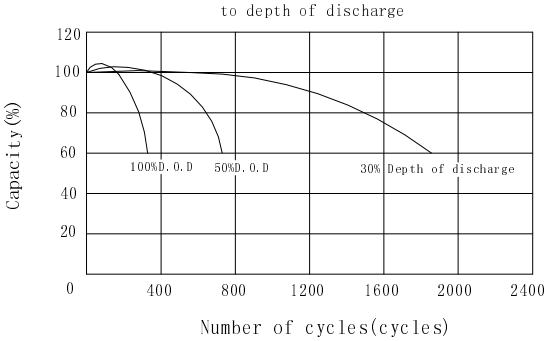
Discharge characteristic(25℃)



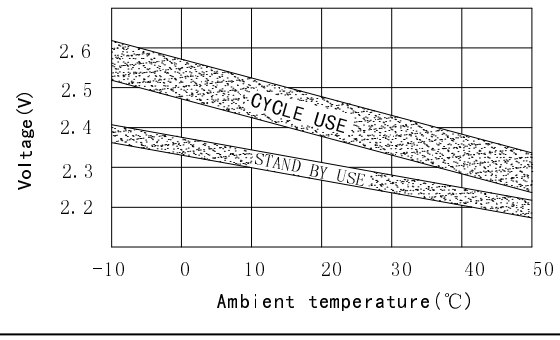
Temperature effects on float life



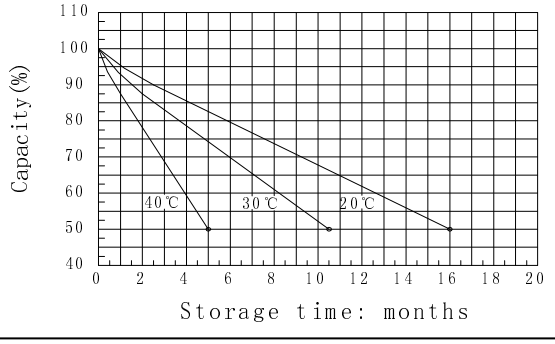
Cycle service life in relation to depth of discharge



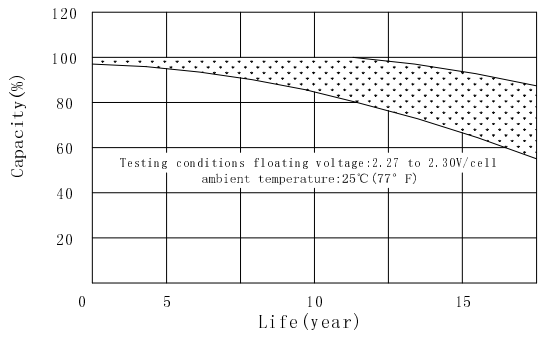
Relationship between charging voltage and temperature



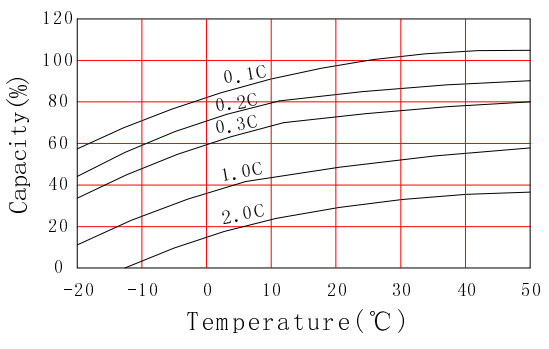
Self-discharge characteristic



Life characteristics of standby use



Temperature effects on capacity



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