



UN260-12D (12V260Ah/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

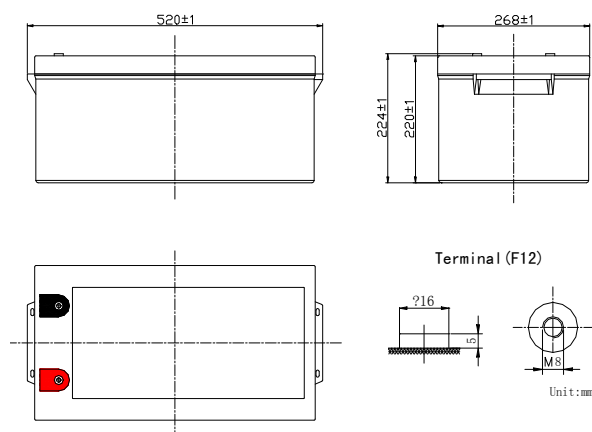
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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 12V
Number of cell 6
Length(mm/inch) 520/20.5
Width(mm/inch) 268/10.6
Height(mm/inch) 220/8.66
Total Height(mm/inch) 224/8.82
Approx. Weight(kg±3%/ lbs) 74.0/163.1



Performance Characteristics

Capacity 77°F(25°C)	20 hour rate (13.5A、10.8V)	270Ah
	10 hour rate (26A、10.8V)	260Ah
	5 hour rate (45A、10.5V)	225Ah
	1 hour rate (168A、9.6V)	168Ah
Internal Resistance	Full charged Battery77°F(25°C): 4mΩ	
Capacity affected by Temperature (20 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): 1250A(5S)		
Charge (Constant Voltage)	Float: 13.6~13.8 V/77° F/(25°C)	
	Cycle:14.6~14.8 V/77°F/(25°C) Max. Current: 65A	

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

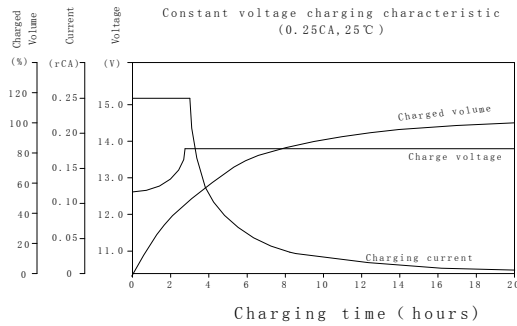
End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V		600	417	275	168	71.9	46.3	26.3	13.7
1.65V		574	397	269	165	71.0	46.0	26.3	13.7
1.70V		548	377	261	162	70.0	45.5	26.2	13.6
1.75V		522	356	252	159	69.9	45.0	26.1	13.6
1.80V		491	330	243	153	68.7	44.3	26.0	13.5

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

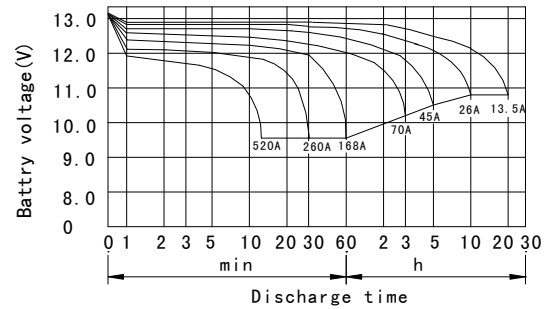
End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		1020	767	531	410	335	194	148	98.4
1.65V		1004	762	528	408	332	193	147	98.1
1.70V		985	755	524	405	329	191	146	97.8
1.75V		949	746	521	402	326	190	145	97.4
1.80V		910	735	515	399	322	188	143	97.0

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

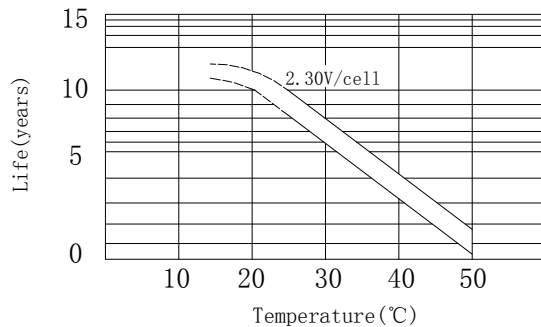
charge characteristic curve



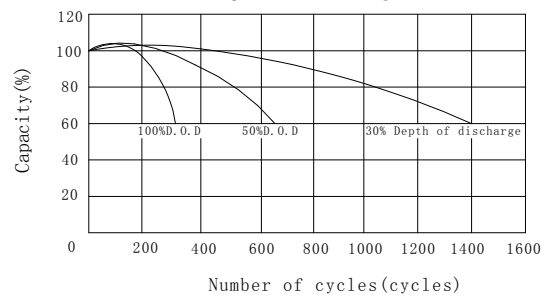
Discharge characteristic (25°C)



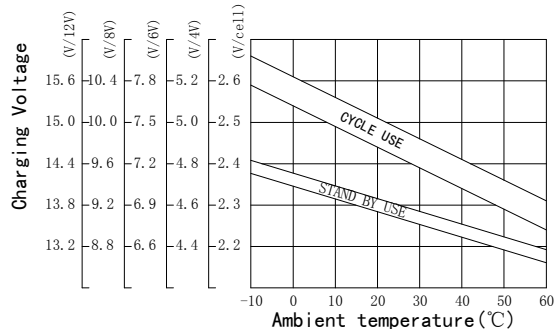
Temperature effects on float life



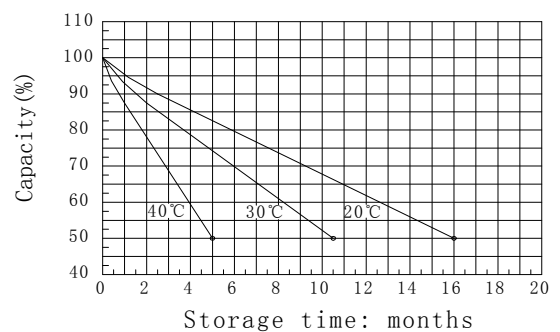
Cycle service life in relation to depth of discharge



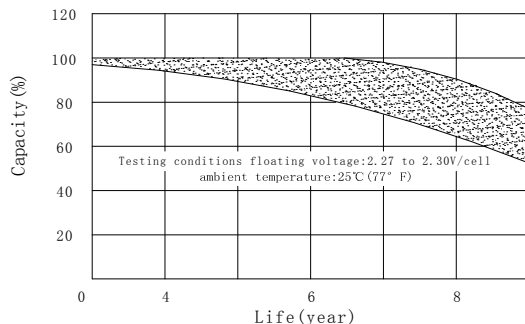
Relationship between charging voltage and temperature



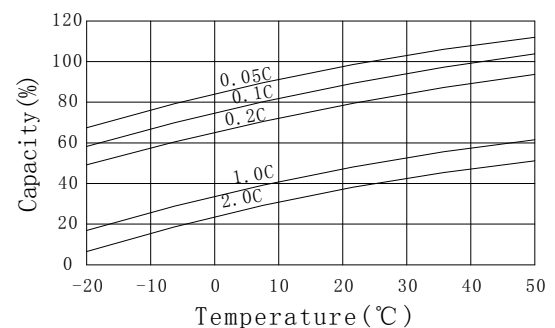
Self-discharge characteristic



Life characteristics of standby use



Temperature effects on capacity



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