



UN220-6D (6V220Ah/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

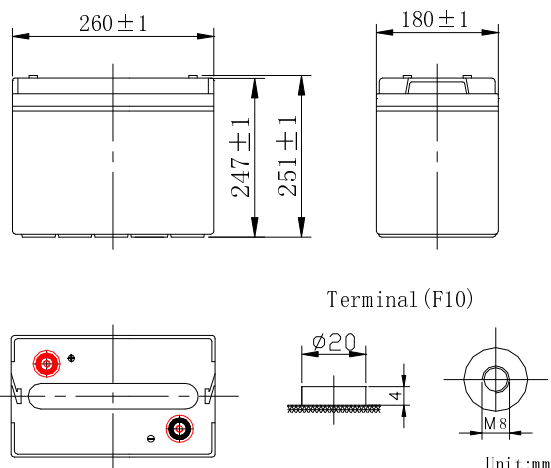
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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 6V
 Number of cell 3
 Length(mm/inch) 260/10.2
 Width(mm/inch) 180/7.09
 Height(mm/inch) 247/9.72
 Total Height(mm/inch) 251/9.88
 Approx. Weight(kg/lbs) 31/68.3



Performance Characteristics

Capacity 77°F(25°C)	20 hour rate (11.5A、 5.25V)	230Ah
	10 hour rate (22A、 5.25V)	220Ah
	5 hour rate (35.4A、 5.25V)	177Ah
	1 hour rate (143A、 4.8V)	143Ah
Internal Resistance	Full charged Battery77°F(25°C): 2mΩ	
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): 1200A(5S)		
Charge (Constant Voltage)	Float: 6.8~6.9 V/77° F(25°C)	
	Cycle:7.25~7.45 V/77°F(25°C) Max. Current: 55A	

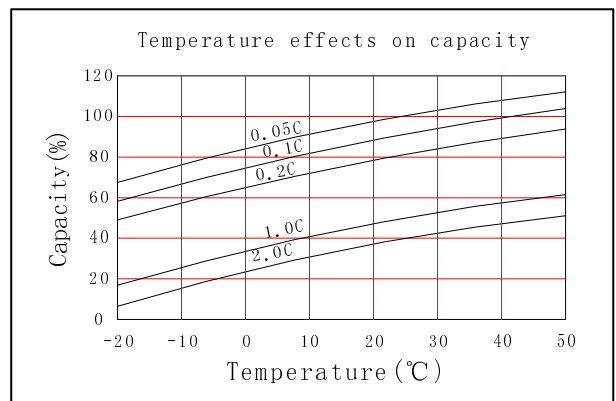
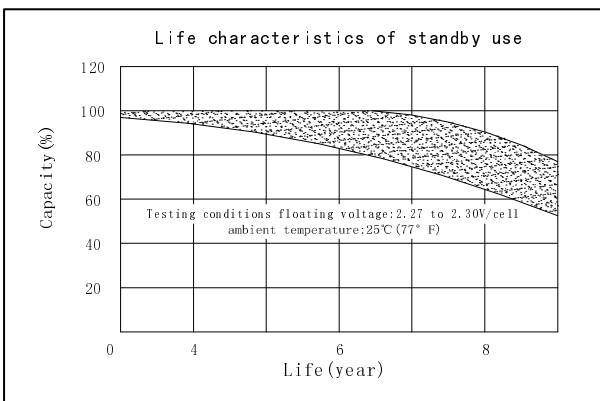
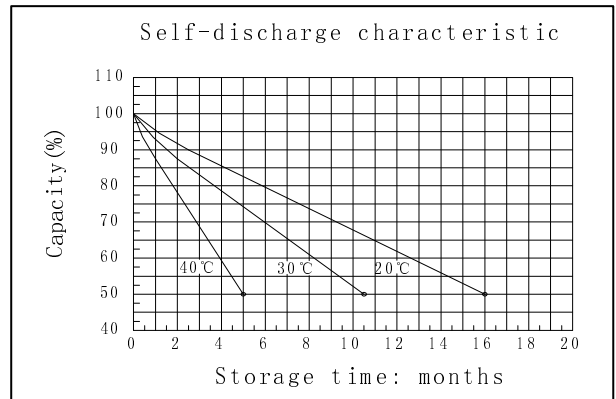
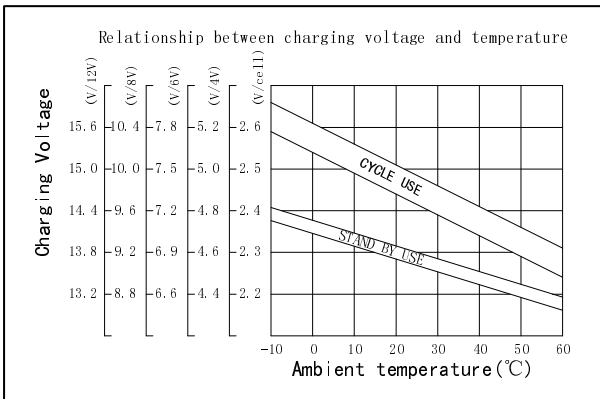
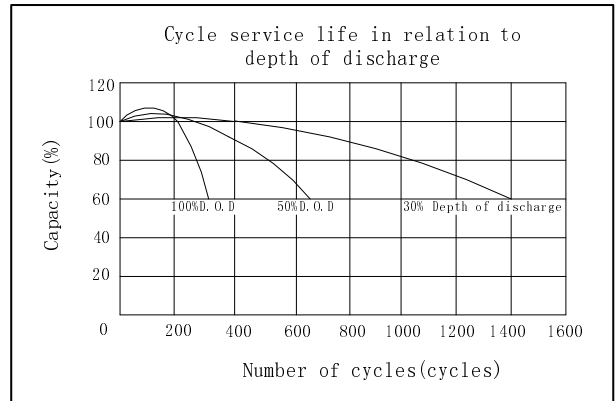
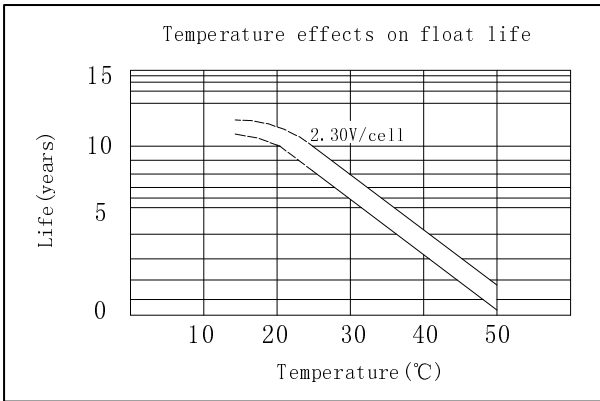
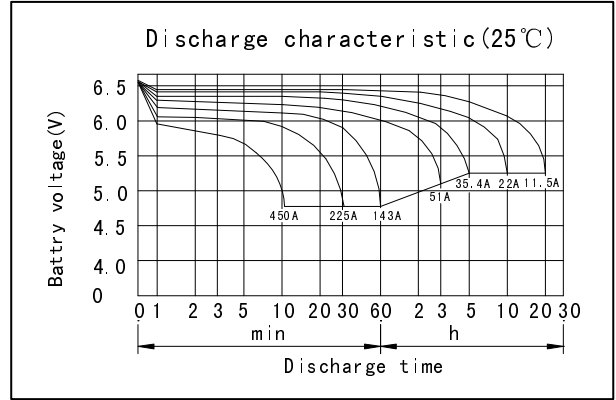
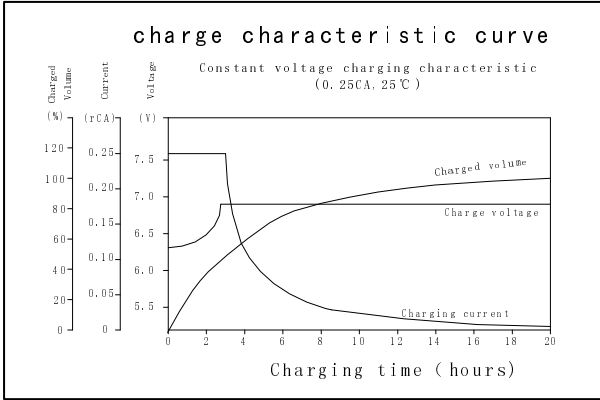
Discharge Constant Current (Amperes at 77° F25 °C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V		462	363	230	143	53.1	37.1	22.2	11.6
1.65V		437	342	220	137	52.0	36.6	22.2	11.6
1.70V		412	321	210	132	51.0	36.0	22.1	11.5
1.75V		385	300	200	127	49.8	35.4	22.0	11.5
1.80V		355	279	189	120	48.4	34.6	21.5	11.3

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V		785	617	435	326	266	156	111	74.3
1.65V		747	598	420	315	261	152	108	73.7
1.70V		708	578	405	304	256	147	105	73.1
1.75V		668	557	388	291	250	141	102	72.6
1.80V		620	532	370	278	245	135	98.0	72.0

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



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