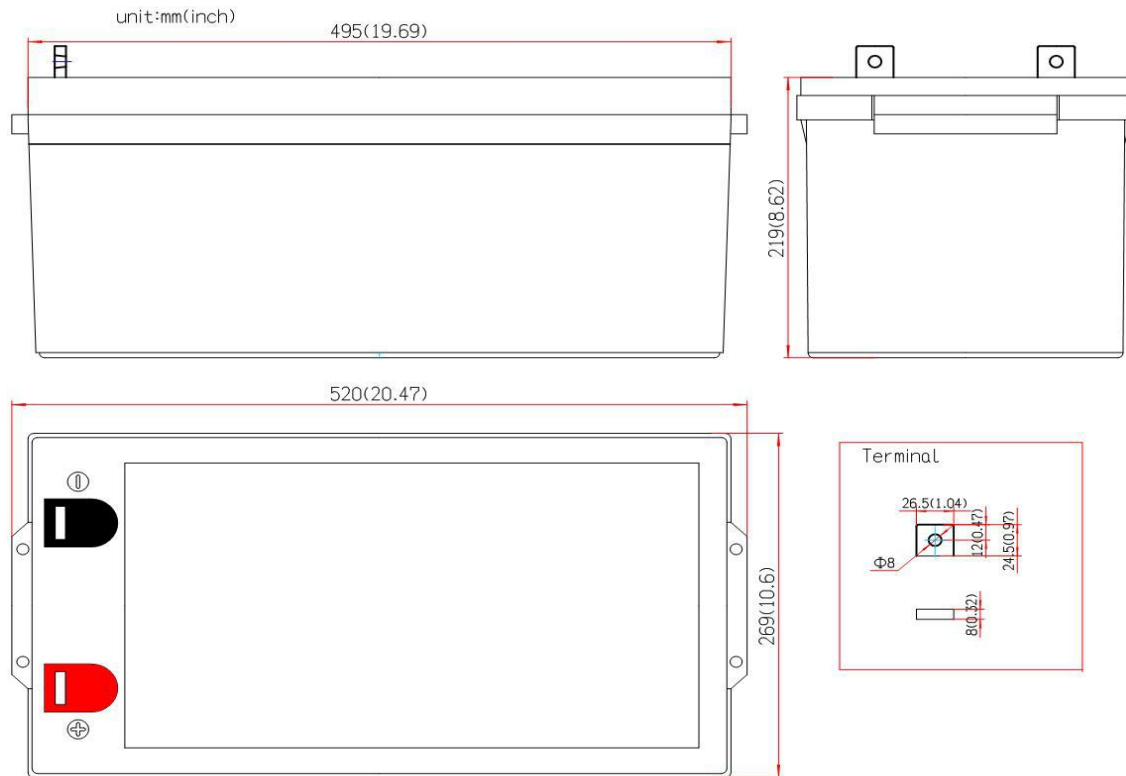


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I • Structure

The battery consists mainly of positive plates, negative plates, separators, electrolyte, valves, a container and a cover.
The electrolyte is absorbed in both positive/negative plate and separators.



II. Performance Specifications

Nominal Voltage (V).....12 volts (6 cells in series);

Nominal Capacity (AH)

20 Hour rate F.V.(1.75V/cell) (12.5A to 10.5volts)	.....	250.0AH;
10 Hour rate F.V.(1.75V/cell) (23.75A to 10.5volts)	.....	237.5AH;
5 Hour rate F.V.(1.75V/cell) (42.50A to 10.5volts)	.....	212.5AH;
3 Hour rate F.V.(1.75V/cell) (62.5A to 10.5volts)	.....	187.5AH;
1 Hour rate F.V.(1.75V/cell) (140.0A to 10.5volts)	.....	140.0AH;
27 Min rate F.V.(1.6V/cell) (250.0A to 9.6volts)	.....	112.5AH;
7 Min rate F.V.(1.6V/cell) (750.0A to 9.6volts)	.....	87.5AH

Approximate Weight70.0Kg;

Terminal L4(M8 Bolt & nut Lead terminal);

Max. Discharge Current 77°F(25°C) 3750A(5S) ;

Internal Resistance (Fully Charged Battery) <3. 5m Ω ;

Maximum Charge Current (A) 75.0A;

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Ambient Temperature

Charge0°C (32°F) ~ 40°C (104°F);
 Discharge -20°C (-4°F) ~ 50°C (122°F);
 Storage -20°C (-4°F) ~ 40°C (104°F);

Expected Life for Standby Use at 20°C 3~5 years;

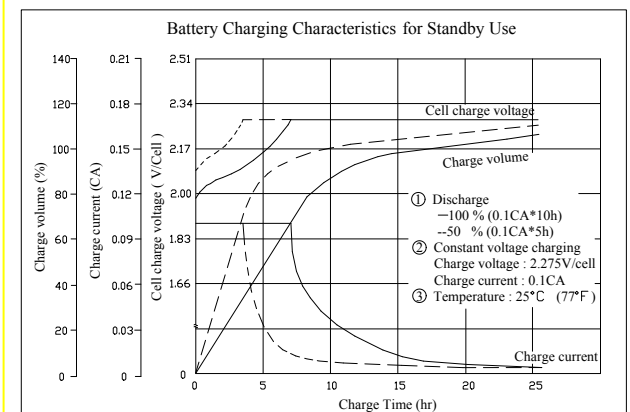
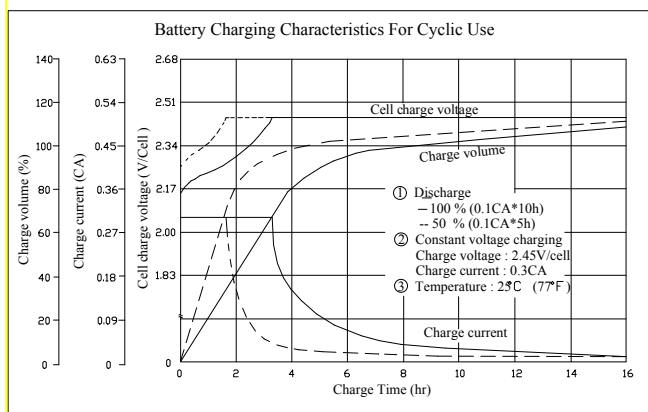
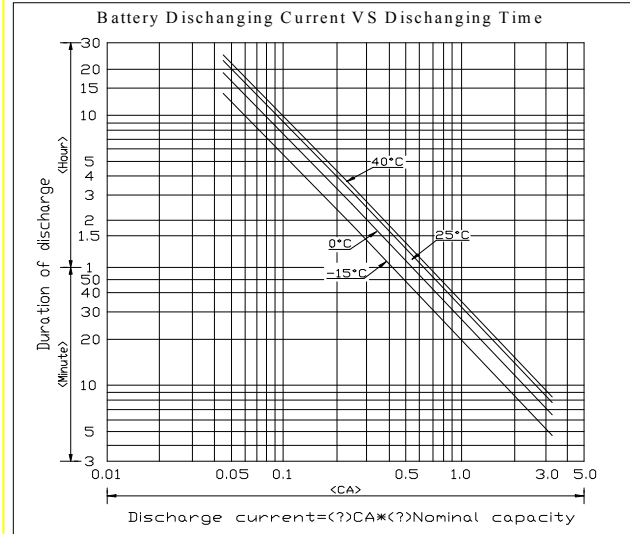
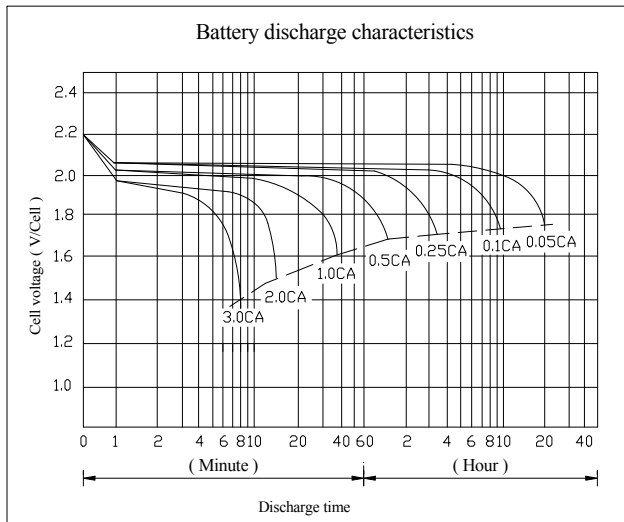
CaseABS;

Dimension (mm)

Length (±1.5mm) 520;
 Width (±1.5mm) 269;
 Container Height (±2mm) 219;
 Total Height (±2mm) 250;

Application.....UPS, Laboratory Equipment, Toy-Cars, Power Packs, Fishing Lights.

Battery Characteristics Graph



Effect of temperature on capacity (10HR)



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Temperature	Dependency of Capacity (10HR)
40°C	102%
25°C	100%
0°C	85%
-15°C	65%

Self-discharge Characteristics

Aging Time	Residual Capacity
3 Months	91%
6 Months	82%
12 Months	64%

Note: The data mentioned above just for full charged battery.

III · Charging Procedure

Application	Charging method	Charge voltage at 25°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C · cell)	Max. charging current (CA)	Charging time 0.1CA, 25°C(h)		Temp (°C)
					100% DOD	50% DOD	
For standby power source	Constant voltage charging (with current restriction)	2.25~2.30	-3	0.2	24	20	0~40°C (32~104°F)
For cycle service		2.40~2.50	-4	0.2	16	10	

Note:

Temperature compensation of charging voltage is not needed, when using the batteries within 15°C to 35°C range

Manufacturer		Customer	
Drafted by	Approved by	Audited by	Approved by