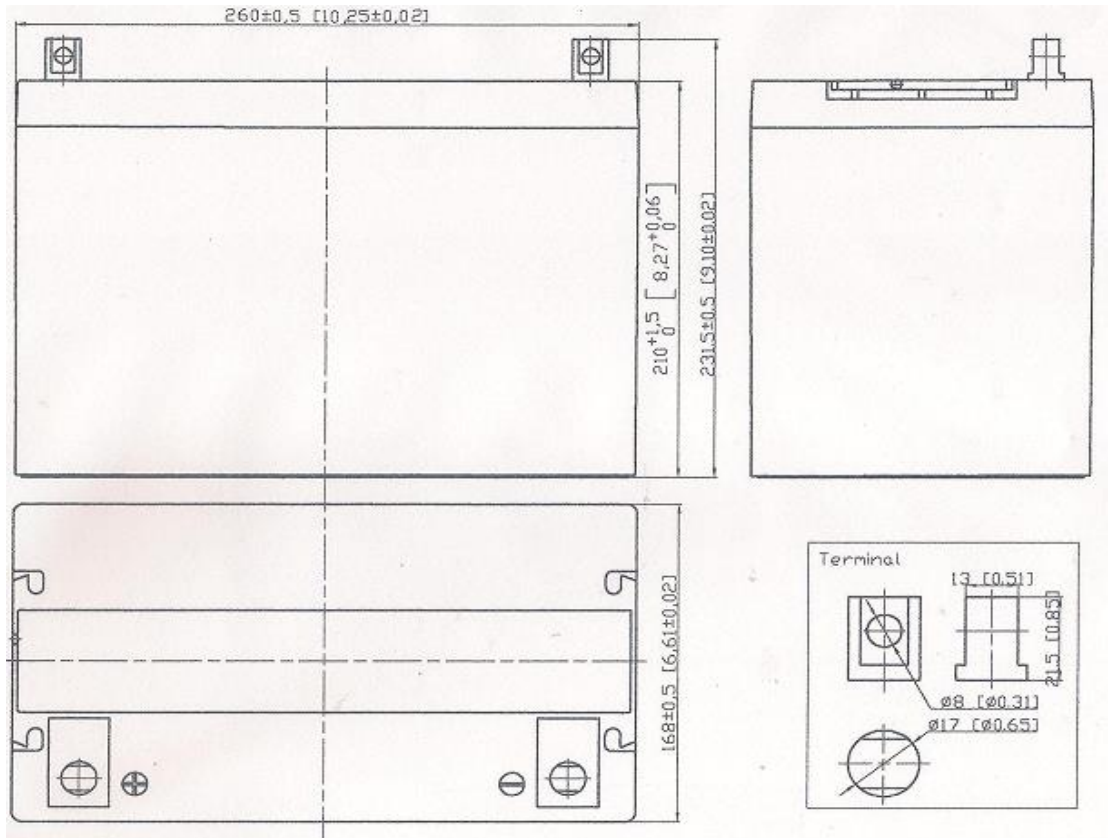


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I · Structure

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) (3.75A to 10.5volts)75.0AH;
10 Hour rate F.V.(1.75V/cell) (7.125A to 10.5volts)71.25AH;
5 Hour rate F.V.(1.75V/cell) (12.75A to 10.5volts)63.75AH;
3 Hour rate F.V.(1.75V/cell) (18.75A to 10.5volts)56.25AH;
1 Hour rate F.V.(1.75V/cell) (42.0A to 10.5volts) 42.0AH;
27 Min rate F.V.(1.6V/cell) (75.0A to 9.6volts) 33.75AH;
7 Min rate F.V.(1.6V/cell) (225.0A to 9.6volts) 26.25AH;

Approximate Weight 21.5Kg;

Terminals M8 Bolt & Nut lead terminal;

Max. Discharge Current 77⁰F(25°C) 1125A (5S) ;

Internal Resistance (Fully Charged Battery) < 5.8mΩ;

Maximum Charge Current (A) 22.5A;

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Ambient Temperature

Charge 0°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;

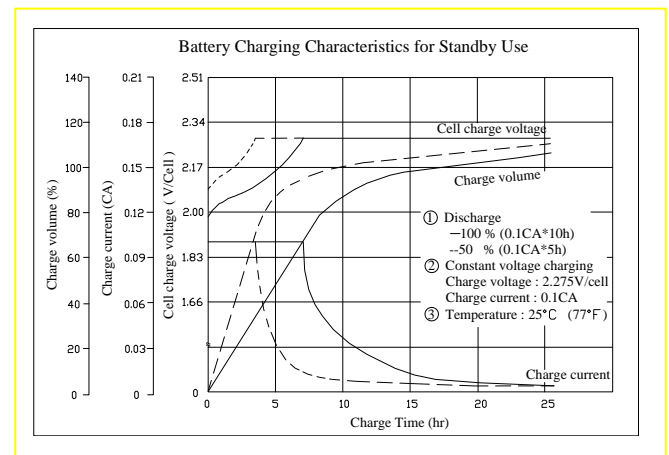
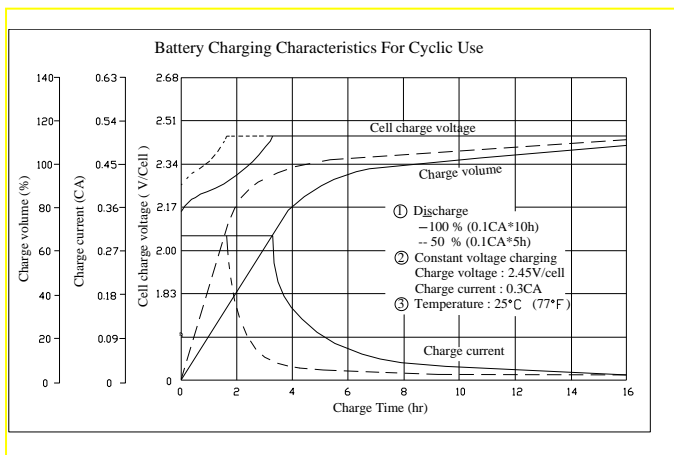
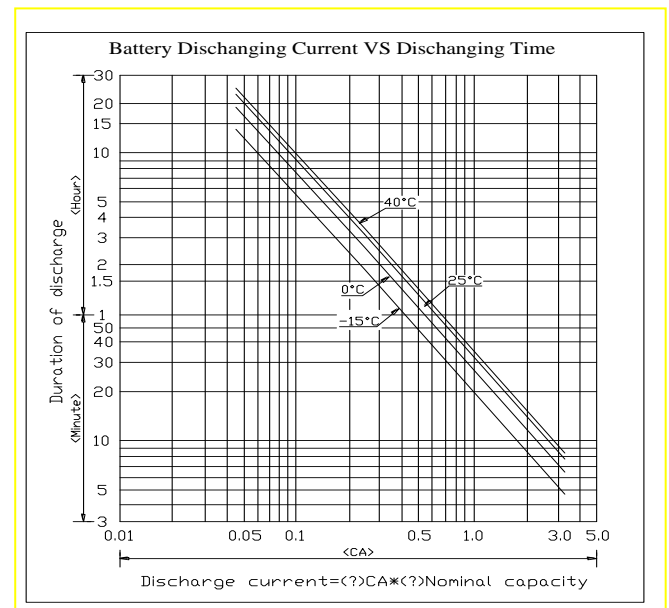
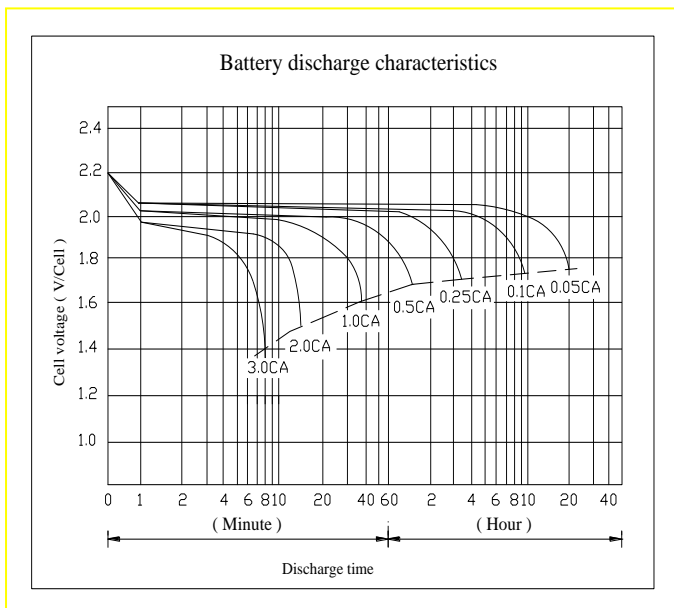
Case ABS Case;

Dimension (mm/inch)

Length (±2mm) 260;
 Width (±2mm) 168;
 Container Height (±2mm) 210;
 Total Height (±2mm) 231.5;

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

Battery Characteristics Graph





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Effect of temperature on capacity (10HR)

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 0.15CA, 25°C(h)		Temp (°C)
					100% DOD	50% DOD	
For standby power source	Constant voltage charging (with current restriction)	2.25~2.30	-3	0.3	24	20	0~40°C (32~104°F)
For cycle service		2.40~2.50	-4	0.3	16	10	

Note:

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