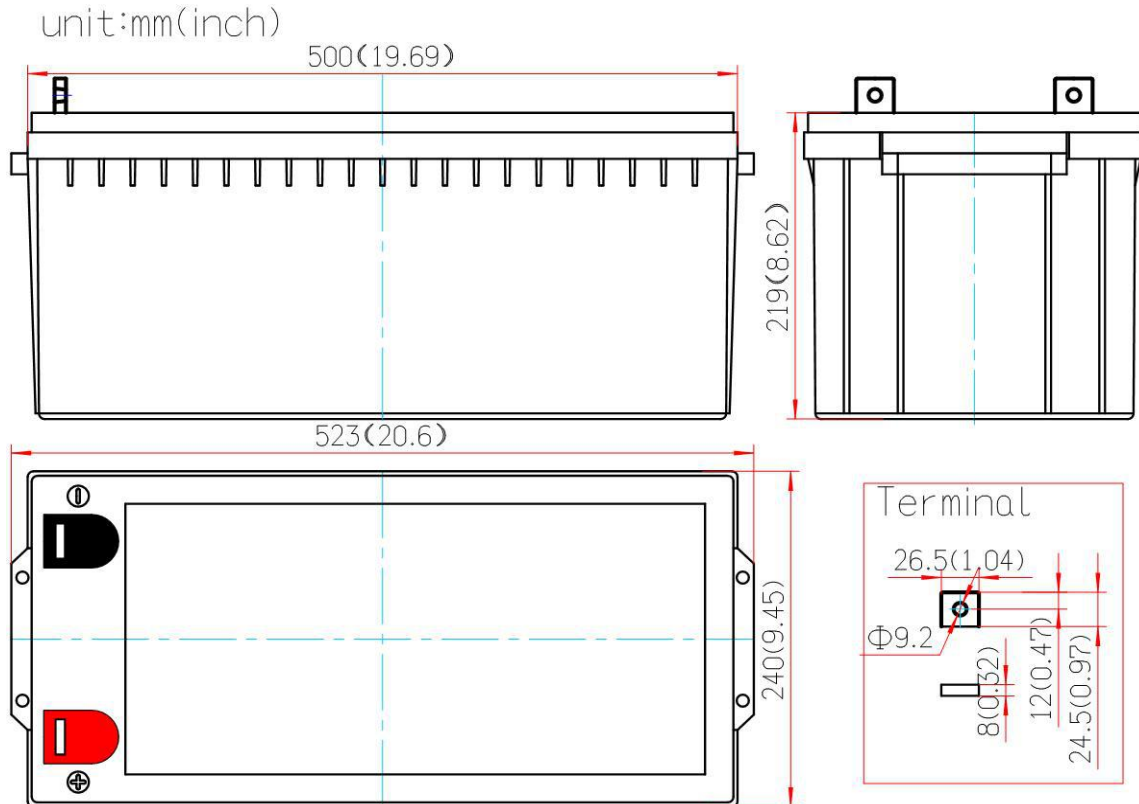


Tel	(305) 468-1978	<b>6GFM200A 12V200AH</b>	Page	Page 1 of 3
Fax	(305) 468-1995		Date	8/28/2017

## 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

<b>Nominal Voltage (V)</b> .....	<b>12 volts (6 cells in series);</b>
<b>Nominal Capacity (AH)</b>	
20 Hour rate F.V.(1.75V/cell) (10.0A to 10.5volts) .....	<b>200.0AH;</b>
10 Hour rate F.V.(1.75V/cell) (19.0A to 10.5volts) .....	<b>190.0AH;</b>
5 Hour rate F.V.(1.75V/cell) (34.0A to 10.5volts) .....	<b>170.0AH;</b>
3 Hour rate F.V.(1.75V/cell) (50.0A to 10.5volts) .....	<b>150.0AH;</b>
1 Hour rate F.V.(1.75V/cell) (112.0A to 10.5volts) .....	<b>112.0AH;</b>
27 Min rate F.V.(1.6V/cell) (200.0A to 9.6volts) .....	<b>90.0AH;</b>
7 Min rate F.V.(1.6V/cell) (600.0A to 9.6volts) .....	<b>70.0AH</b>
<b>Approximate Weight</b> .....	<b>60.0Kg;</b>
<b>Terminal</b> .....	<b>L4(M8 Bolt &amp; nut Lead terminal );</b>
<b>Max. Discharge Current 77°F( 25°C)</b> .....	<b>3000A(5S) ;</b>
<b>Internal Resistance (Fully Charged Battery)</b> .....	<b>&lt; 4. 5m Ω ;</b>
<b>Maximum Charge Current (A)</b> .....	<b>60.0A;</b>

### 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;

### Dimension (mm)

Length (±1.5mm) ..... 523;

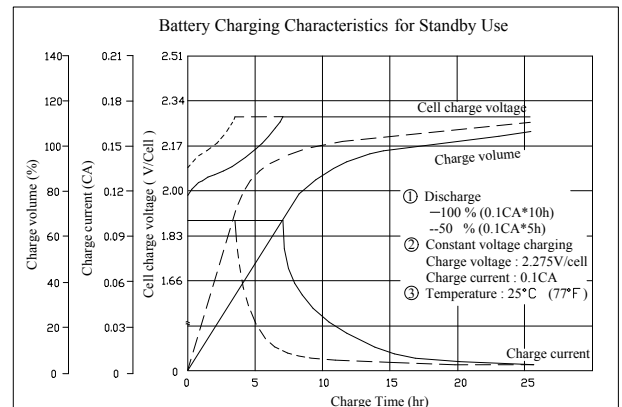
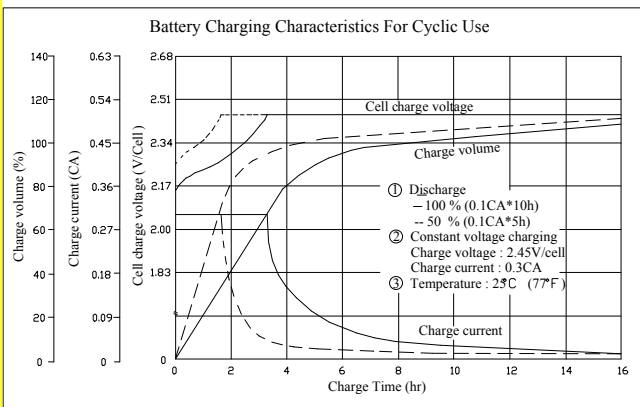
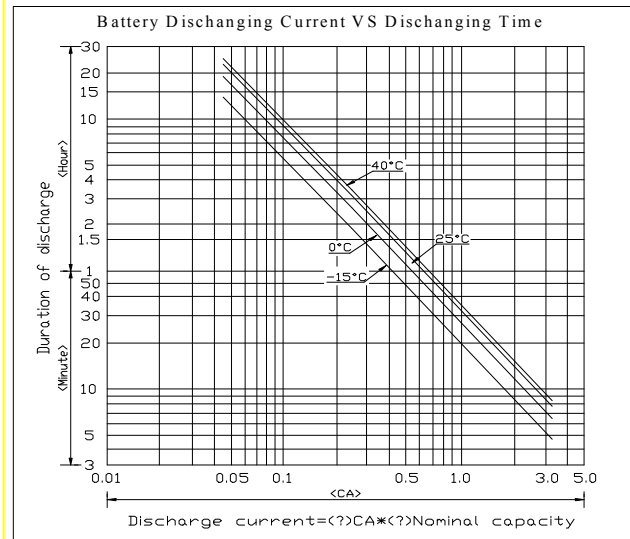
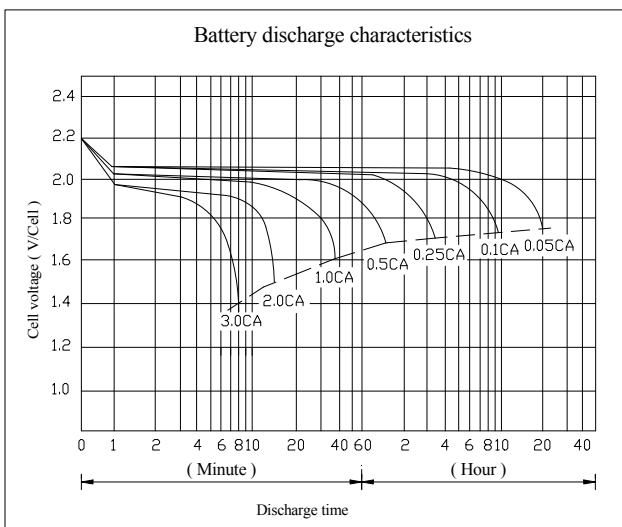
Width (±1.5mm) ..... 240;

Container Height (±2mm) ..... 219;

Total Height (±2mm) ..... 245;

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

### Battery Characteristics Graph





Tel	(305) 468-1978	<b>6GFM200A 12V200AH</b>	Page	Page 3 of 3
Fax	(305) 468-1995		Date	8/28/2017

### 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 0.1CA, 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