

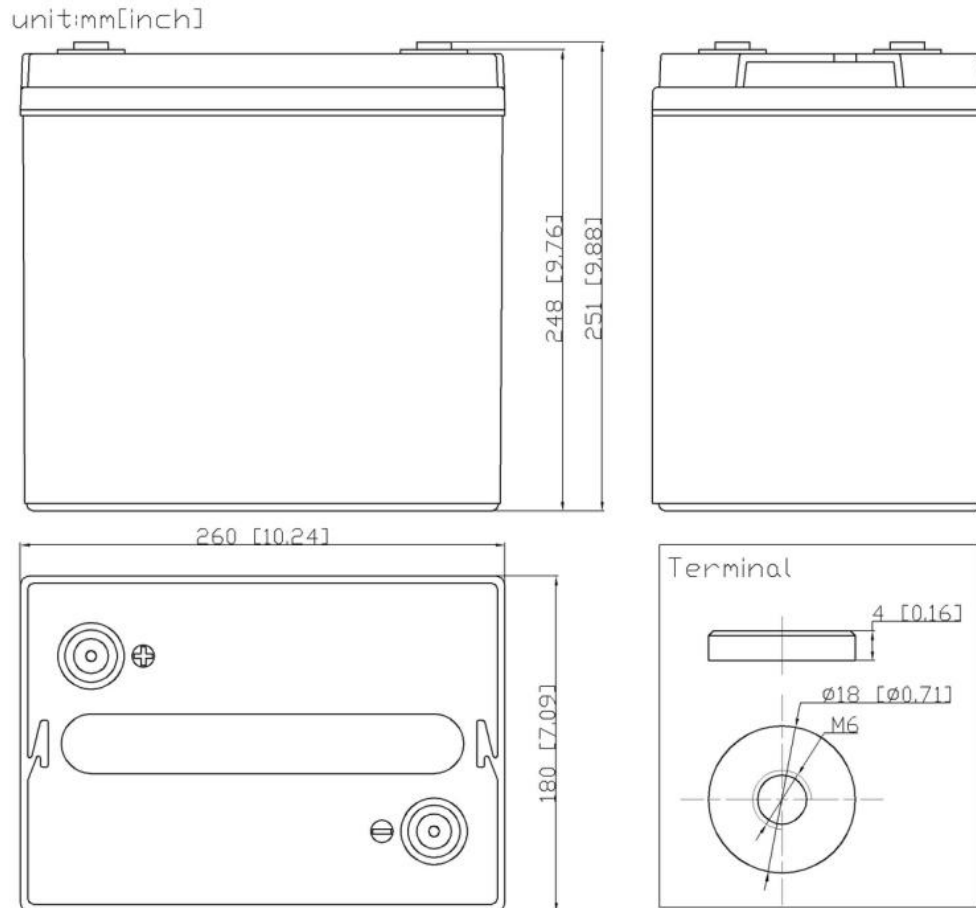
Tel	(305) 468-1978
Fax	(305) 468-1995

3GFM200 GC2 6V200AH

Page	Page 1 of 3
Date	2/9/2017

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

Nominal Voltage (V)	6 volts (3 cells in series);
Nominal Capacity (AH)	
20 Hour rate F.V.(1.75V/cell) (10.0A to 5.25volts)	200.0AH;
10 Hour rate F.V.(1.75V/cell) (19.0A to 5.25volts)	190.0AH;
5 Hour rate F.V.(1.75V/cell) (34.0A to 5.25volts)	170.0AH;
3 Hour rate F.V.(1.75V/cell) (50.0A to 5.25volts)	150.0AH;
1 Hour rate F.V.(1.75V/cell) (112.0A to 5.25volts)	112.0AH;
Approximate Weight	28.5Kg;
Terminal Connector Insert	M6 thread;
Max. Discharge Current 77°F(25°C)	3000A (5S);
Internal Resistance (Fully Charged Battery)	<3. 5mΩ ;
Maximum Charge Current (A)	60A;

Tel	(305) 468-1978	3GFM200 GC2 6V200AH	Page	Page 2 of 3
Fax	(305) 468-1995		Date	2/9/2017

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;

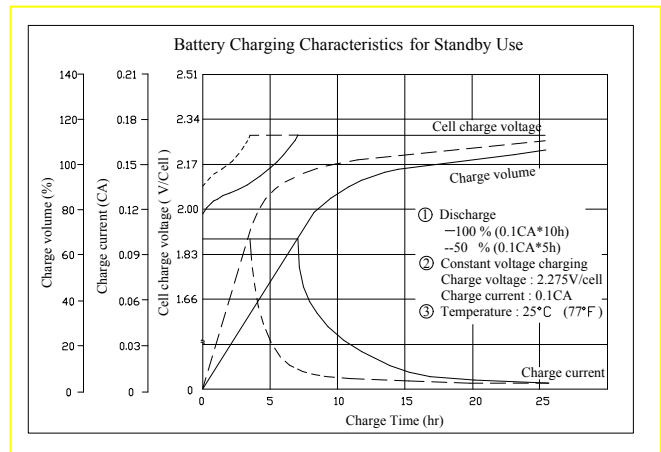
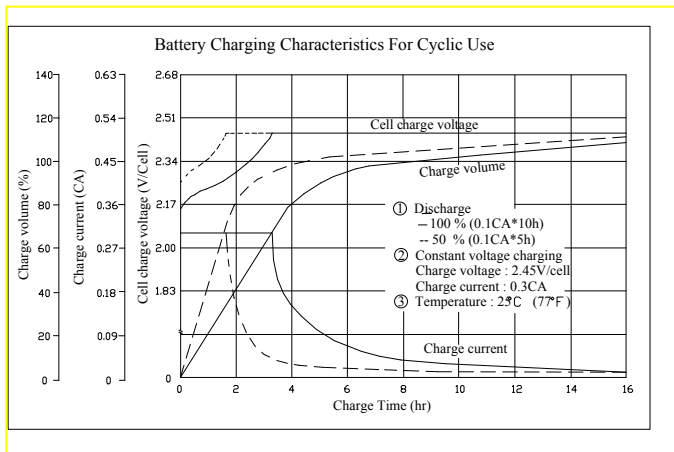
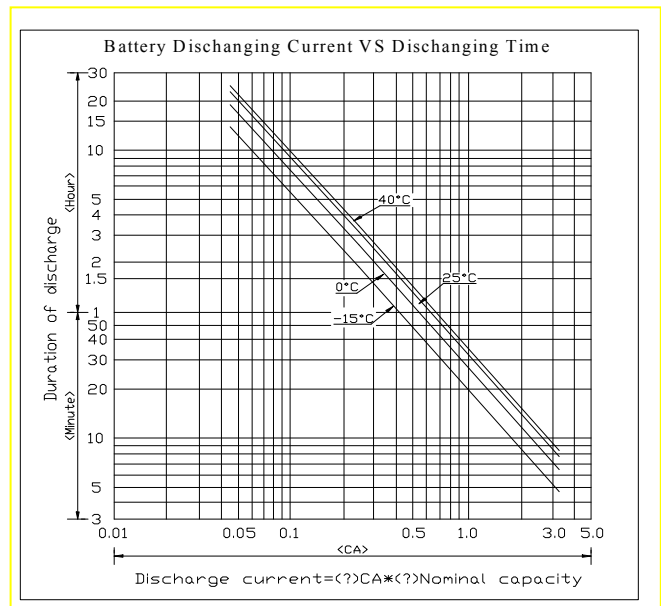
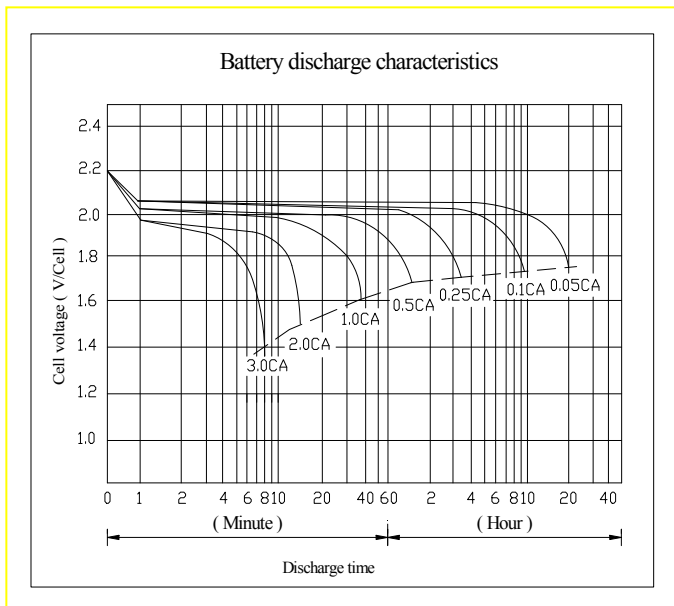
CaseABS;

Dimension (mm/inch)

Length (±3mm) 260;
 Width (±3mm) 180;
 Container Height (±3mm)248;
 Total Height (±3mm)251;

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

Battery Characteristics Graph



Tel	(305) 468-1978	3GFM200 GC2 6V200AH	Page	Page 3 of 3
Fax	(305) 468-1995		Date	2/9/2017

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