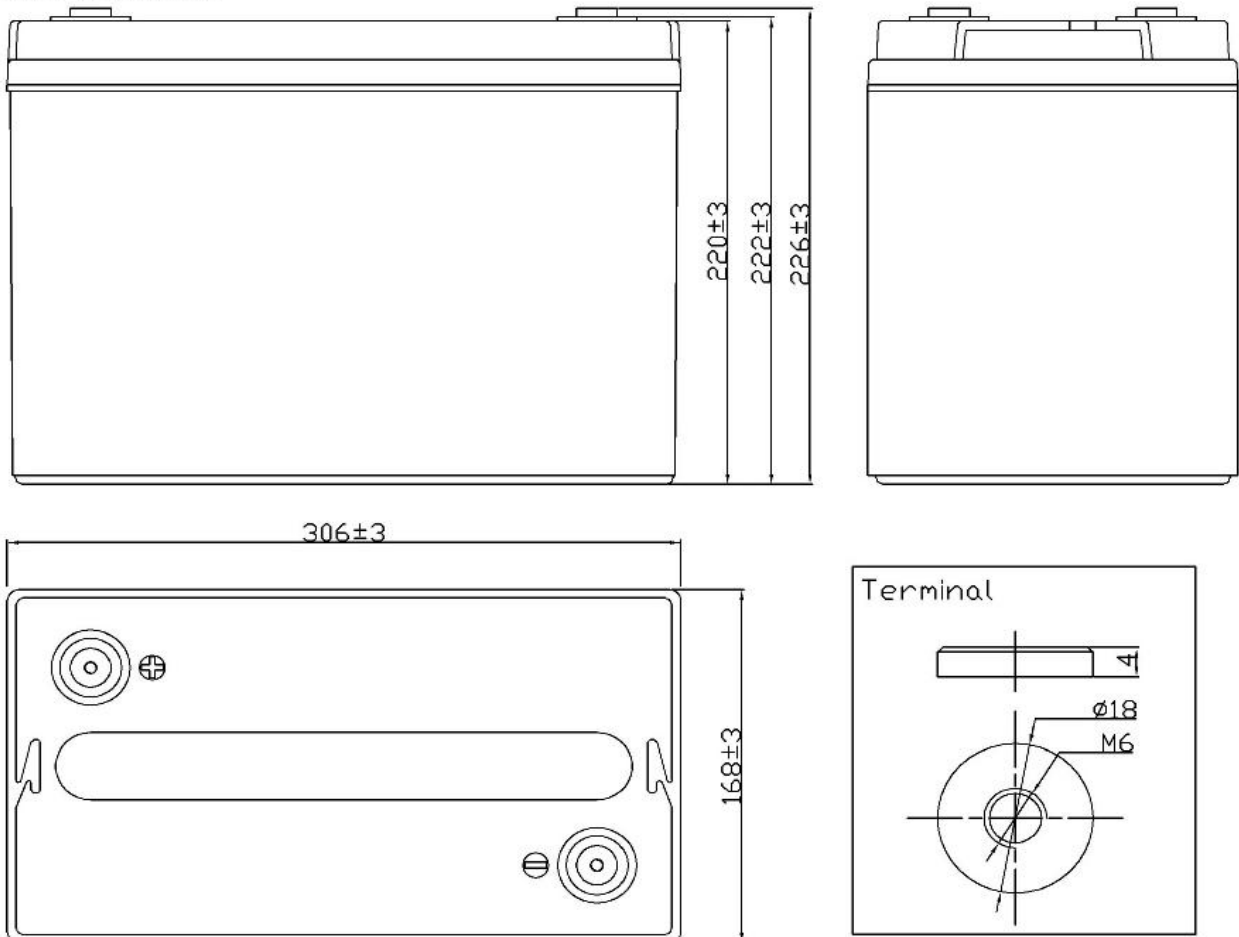


Tel	(305) 468-1978	3GFM190M 6V190AH	Page	Page 1 of 3
Fax	(305) 468-1995		Date	2/9/2017

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.

unit:mm[inch]



II. Performance Specifications

Nominal Voltage (V).....6 volts (3 cells in series);

Nominal Capacity (AH)

- 20 Hour rate F.V.(1.75V/cell) (9.5A to 5.25volts)190.0AH;
- 10 Hour rate F.V.(1.75V/cell) (18.05A to 5.25volts)180.5AH;
- 5 Hour rate F.V.(1.75V/cell) (32.3A to 5.25volts) 161.5AH;
- 1 Hour rate F.V.(1.75V/cell) (106.4A to 5.25volts)106.40AH;
- 7 Min rate F.V.(1.6V/cell) (570.0A to 4.8volts)66.0AH;

Approximate Weight27.5Kg;

Terminal Connector Insert.....M6thread;

Max. Discharge Current 77°F(25°C) 2850A (5S) ;

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

Maximum Charge Current (A).....57A;

Tel	(305) 468-1978	3GFM190M 6V190AH	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) 306;

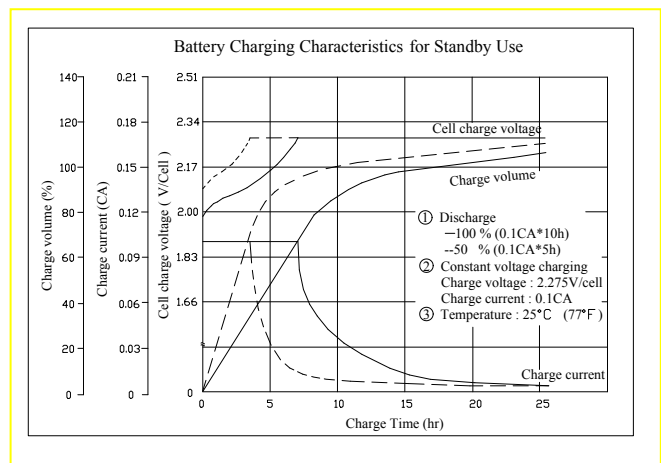
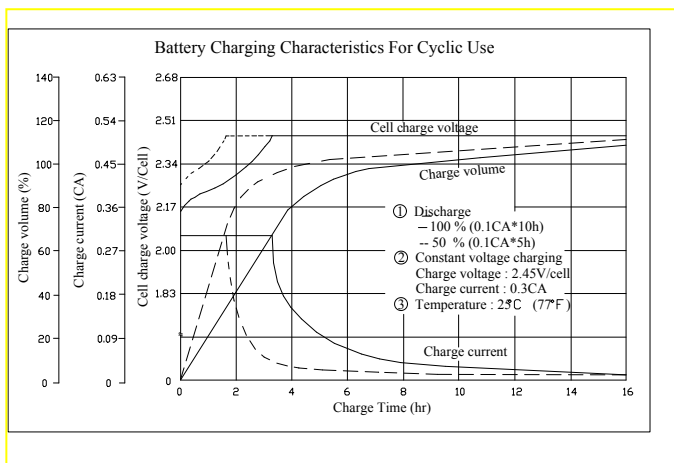
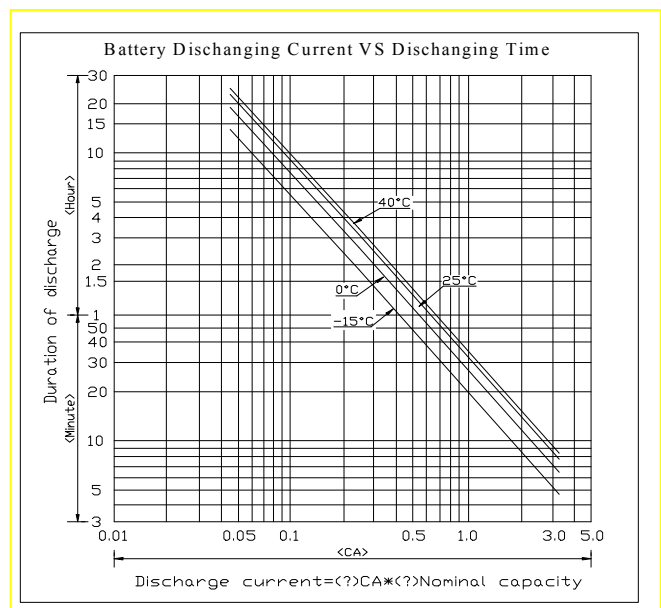
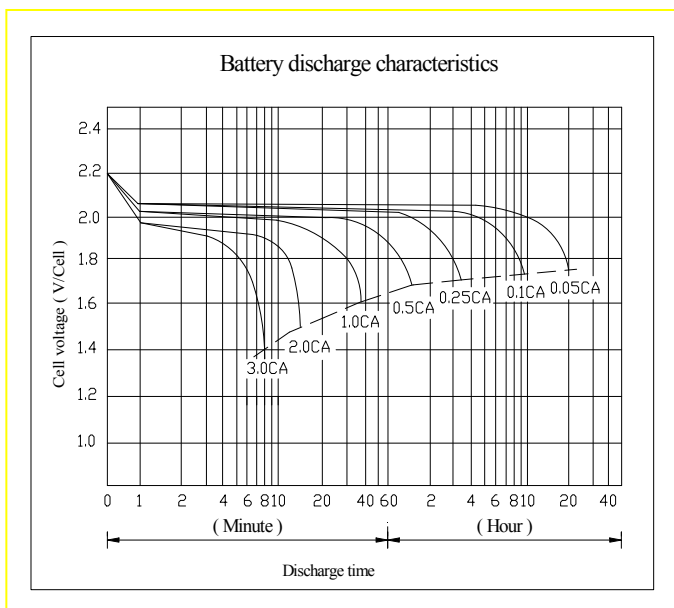
Width (±3mm) 168;

Container Height (±3mm) .. 220;

Total Height (±3mm).....226;

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

Battery Characteristics Graph



Effect of temperature on capacity (10HR)

Tel	(305) 468-1978	3GFM190M 6V190AH	Page	Page 3 of 3
Fax	(305) 468-1995		Date	2/9/2017

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