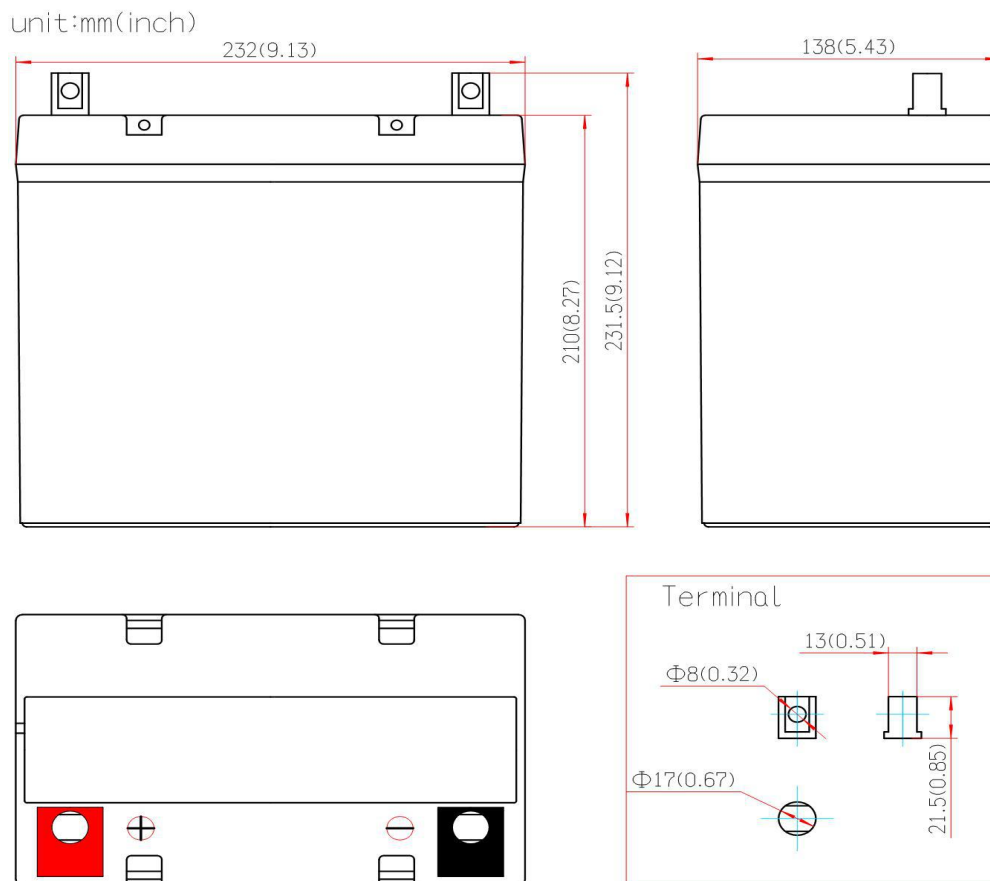


| | | | | |
|-----|----------------|--------------------------|------|-------------|
| Tel | (305) 468-1978 | 6GFM55-HD 12V55Ah | Page | Page 1 of 3 |
| Fax | (305) 468-1995 | | Date | 8/8/2017 |

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).....12 volts (6 cells in series);

Nominal Capacity (AH)

| | |
|--|----------------|
| 20 Hour rate F.V.(1.75V/cell) (2.9A to 10.5volts) |58.0AH; |
| 10 Hour rate F.V.(1.75V/cell) (5.51A to 10.5volts) |55.1AH; |
| 5 Hour rate F.V.(1.75V/cell) (9.86A to 10.5volts) |49.3AH; |
| 3 Hour rate F.V.(1.75V/cell) (14.5A to 10.5volts) | 43.5AH; |
| 1 Hour rate F.V.(1.75V/cell) (32.48A to 10.5volts) | 32.48AH; |
| 27 Min rate F.V.(1.6V/cell) (58.0A to 9.6volts) | 26.10AH; |
| 7 Min rate F.V.(1.6V/cell) (174A to 9.6volts) | 20.3AH; |

Approximate Weight18.0Kg;

TerminalL2 (M8 Bolt nut Lead terminal);

Max. Discharge Current 77°F(25°C) 870A (5S);

Maximum Charge Current (A) 17.4A;

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

6GFM55-HD 12V55Ah

| | |
|------|-------------|
| Page | Page 2 of 3 |
| Date | 8/8/2017 |

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;**

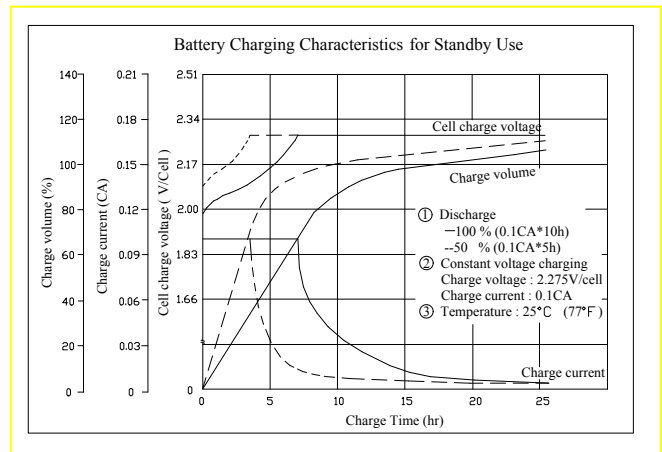
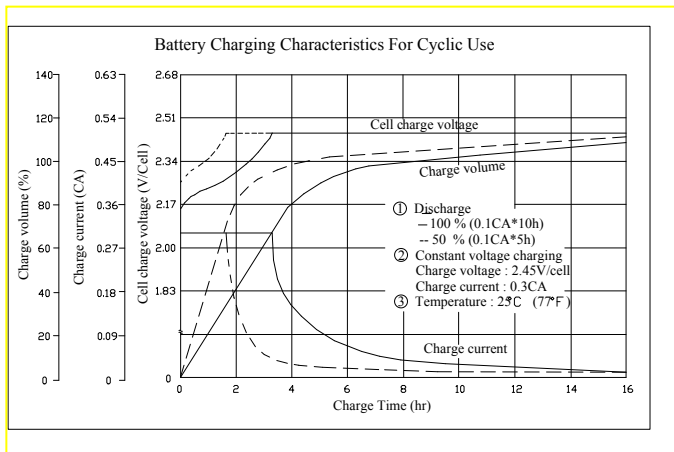
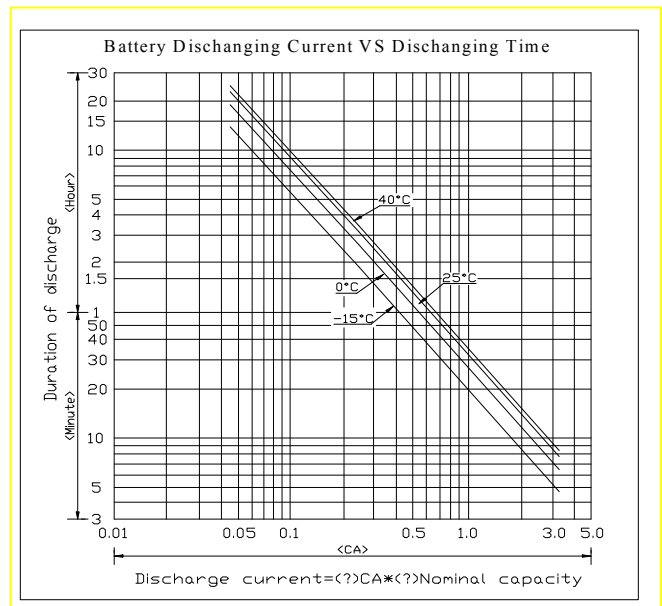
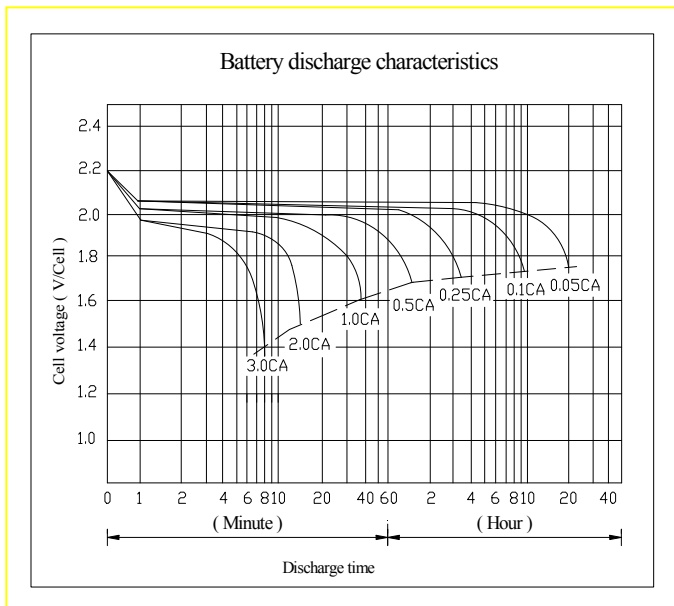
CaseABS;

Dimension (mm/inch)

Length (±2mm) 232(9.13);
Width (±2mm) 138(5.43);
Container Height (±2mm) 210(8.27);
Total Height (±2mm) 231.5(9.12);

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

Battery Characteristics Graph





| | | | | |
|-----|----------------|--------------------------|------|-------------|
| Tel | (305) 468-1978 | 6GFM55-HD 12V55Ah | Page | Page 3 of 3 |
| Fax | (305) 468-1995 | | Date | 8/8/2017 |

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 0.15CA, 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