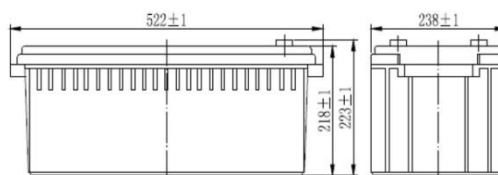


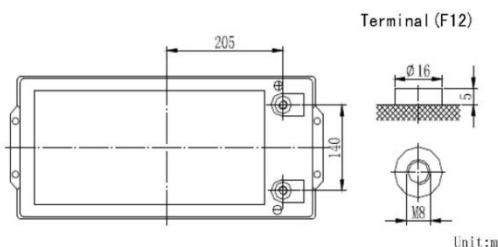
### General Feature

- Absorbent Glass Mat(AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.



### SPECIFICATION

|                        |       |           |
|------------------------|-------|-----------|
| Nominal voltage        | ..... | 12V       |
| Number of cell         | ..... | 6         |
| Length(mm/inch)        | ..... | 522/20.55 |
| Width(mm/inch)         | ..... | 238/9.37  |
| Height(mm/inch)        | ..... | 218/8.58  |
| Total Height(mm/inch)  | ..... | 222/8.74  |
| Approx. Weight(kg/lbs) | ..... | 60/132.2  |

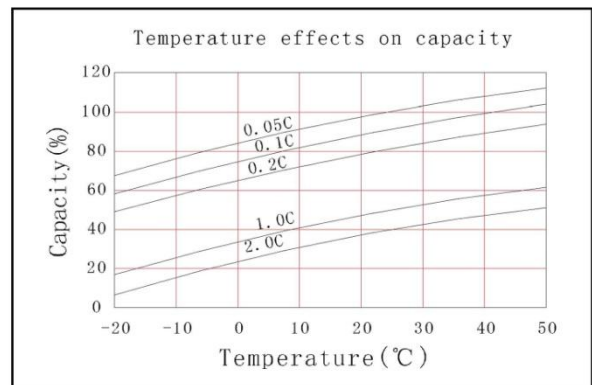
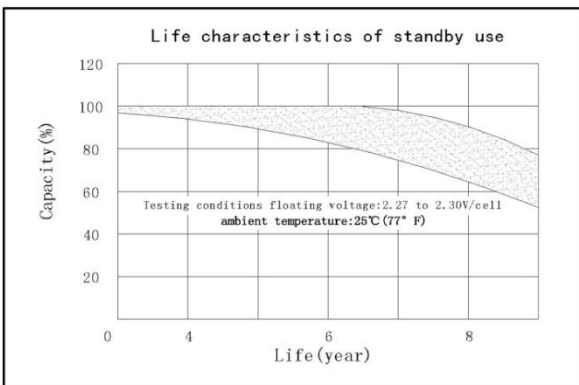
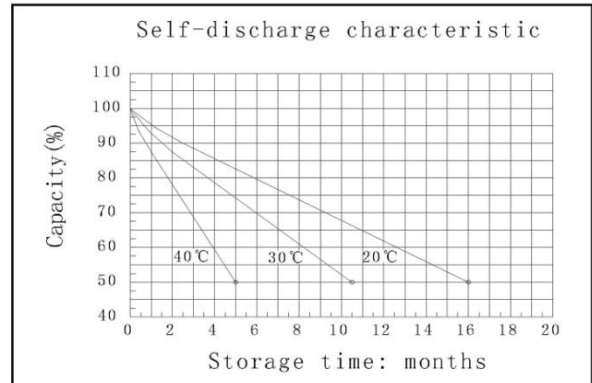
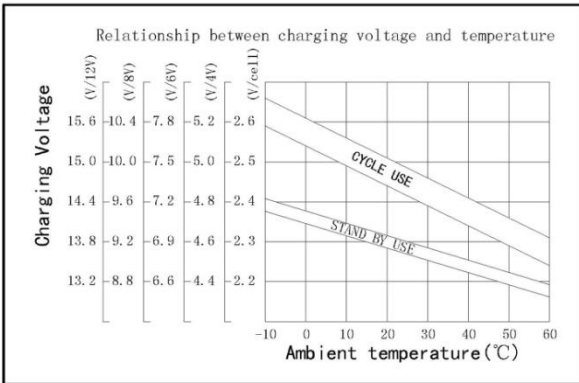
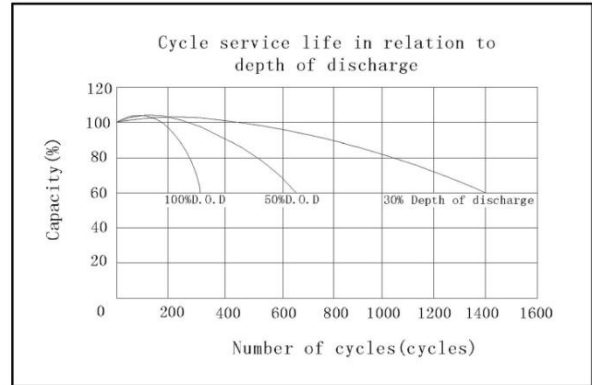
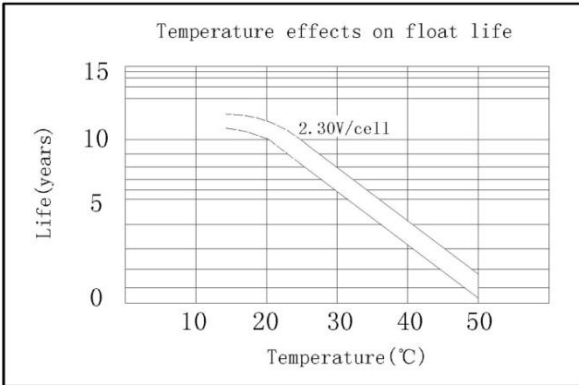
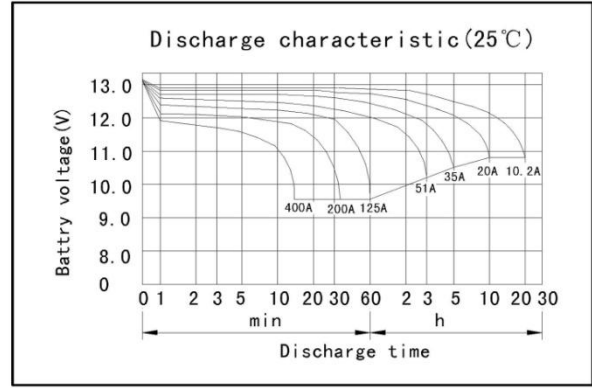
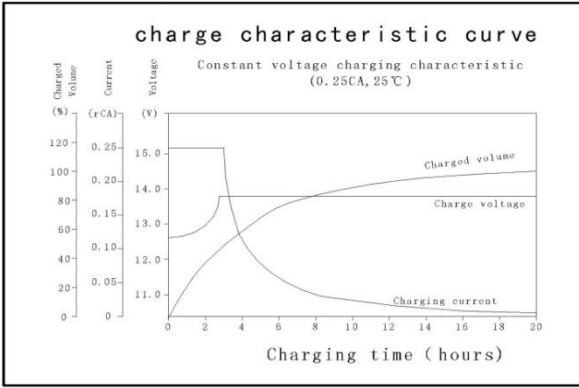


### Battery Construction

| Component    | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator  | Electrolyte   |
|--------------|----------------|----------------|-----------|-------|--------------|----------|------------|---------------|
| Raw material | Lead dioxide   | Lead           | ABS       | ABS   | Rubber       | Copper   | Fiberglass | Sulfuric acid |

### Performance Characteristics

|   |  |       |
|---|--|-------|
| Capacity<br>77°F(25°C)                                | 20 hours rate(10.2A 10.8V)                         | 204Ah |
|   | 10 hours rate(20A 10.8V)                           | 200Ah |
|   | 5 hours rate(35A 10.5V)                            | 175Ah |
|   | 1 hour rate(125A 9.6V)                             | 125Ah |
| Internal Resistance                                   | Full charged battery 77°F(25°C):4mΩ                |       |
| Capacity affected by<br>Temperature<br>(10 hour rate) | 104°F(40°C)  | 102%  |
|   | 77°F(25°C)   | 100%  |
|   | 32°F(10°C)   | 85%   |
|   | 5°F(-15°C)   | 65%   |
| Self-Discharge<br>68°F(20°C)                          | Capacity after 3 month storage                     | 90%   |
|   | Capacity after 6 month storage                     | 80%   |
|   | Capacity after 12 month storage                    | 60%   |
| Max discharge current 77°F(25°C):1000A(5S)            |  |       |
| Charge<br>(Constant Voltage)                          | Float:13.6 to 13.8V/77°F/(25°C)                    |       |
|   | Cycle:14.4 to 14.7V/77°F/(25°C)<br>Max Current:50A |       |



### Discharge Constant Current (Amperes at 77° F 25 °C)

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 1h  | 3h   | 5h   | 10h  | 20h  |
|----------------------|------|-------|-------|-------|-----|------|------|------|------|
| 1.60V                |      | 418   | 340   | 204   | 125 | 52.0 | 36.6 | 20.7 | 10.5 |
| 1.65V                |      | 393   | 321   | 196   | 123 | 51.6 | 36.2 | 20.6 | 10.4 |
| 1.70V                |      | 370   | 300   | 189   | 121 | 51.0 | 35.7 | 20.5 | 10.4 |
| 1.75V                |      | 345   | 280   | 182   | 119 | 50.0 | 35.0 | 20.3 | 10.3 |
| 1.80V                |      | 318   | 260   | 175   | 117 | 48.8 | 34.3 | 20.0 | 10.2 |

(Note)The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum values.

### Discharge Constant Power (watts at 77° F 25 °C)

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 45min | 1h  | 2h  | 3h   | 5h   |
|----------------------|------|-------|-------|-------|-------|-----|-----|------|------|
| 1.60V                |      | 730   | 590   | 386   | 276   | 255 | 138 | 98.8 | 71.3 |
| 1.65V                |      | 694   | 570   | 370   | 270   | 250 | 136 | 97.5 | 70.8 |
| 1.70V                |      | 658   | 552   | 356   | 264   | 245 | 133 | 96.2 | 70.2 |
| 1.75V                |      | 618   | 533   | 342   | 259   | 240 | 130 | 94.8 | 69.7 |
| 1.80V                |      | 588   | 502   | 328   | 254   | 235 | 127 | 93.8 | 69.1 |

(Note)The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum values.