

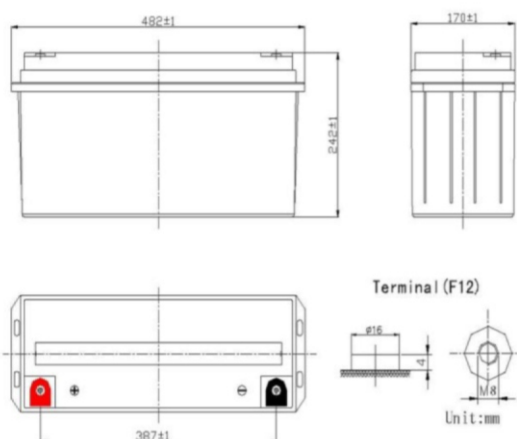
## General Feature

- 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) .....        | 485/19.1  |
| Width(mm/inch) .....         | 172/6.77  |
| Height(mm/inch) .....        | 240/9.45  |
| Total Height(mm/inch) .....  | 240/9.45  |
| Approx. Weight(kg/lbs) ..... | 44.5/98.1 |

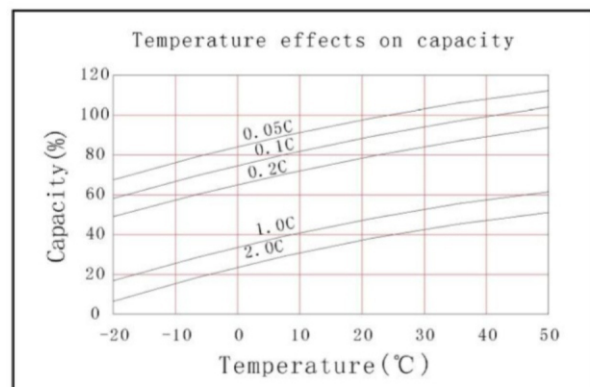
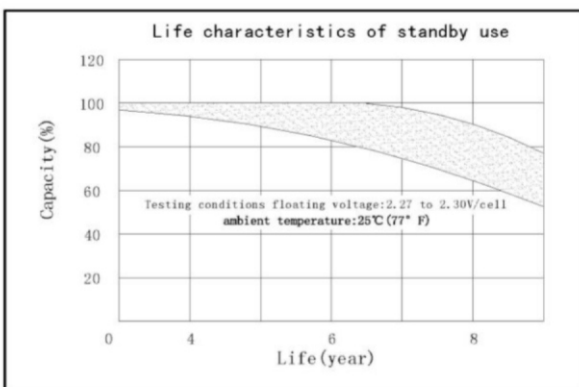
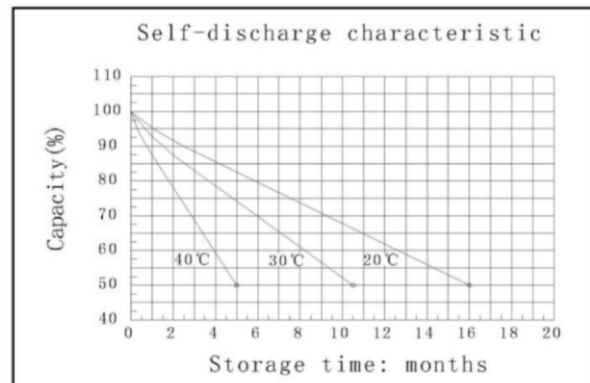
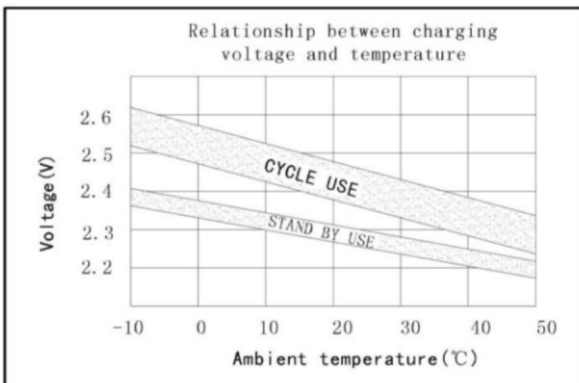
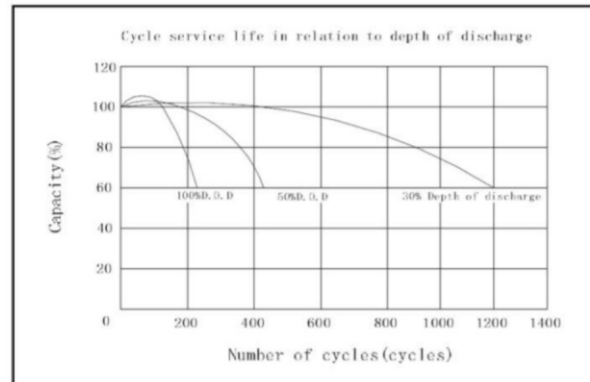
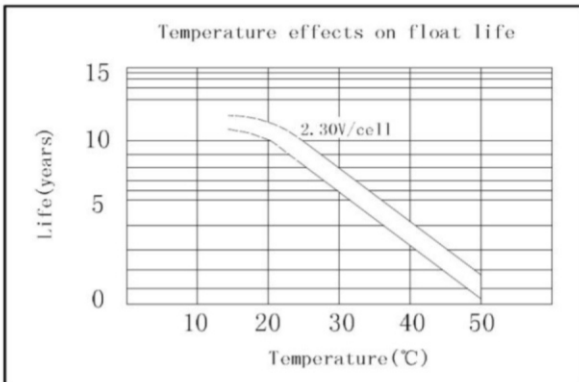
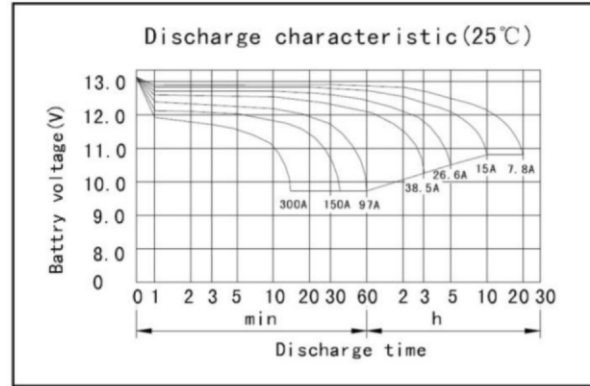
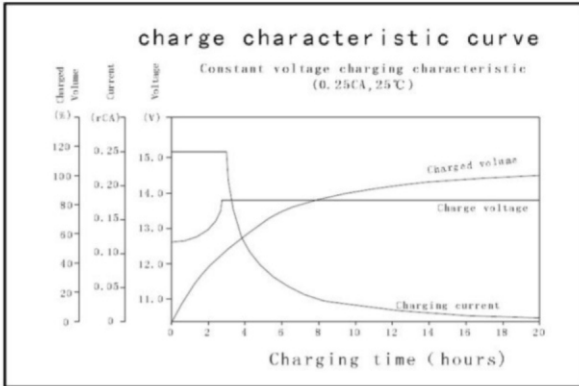


## Battery Construction

| 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(7.8A 10.8V)             | 156Ah |
|                                                       | 10 hours rate(15A 10.8V)              | 150Ah |
|                                                       | 5 hours rate(26.8A 10.5V)             | 134Ah |
|                                                       | 1 hour rate(106A 9.6V)                | 106Ah |
| Internal Resistance                                   | Full charged battery 77°F(25°C):3.8mΩ |       |
| 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):900A(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)        |       |
|                                                       | Max Current:37.5A                     |       |



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

| End Point Volt/Cell | 5min | 10min | 15min | 30min | 1h    | 3h   | 5h   | 10h  | 20h  |
|---------------------|------|-------|-------|-------|-------|------|------|------|------|
| 1.60V               |      | 365   | 305   | 193   | 106   | 42.8 | 28.5 | 15.5 | 8    |
| 1.65V               |      | 353   | 295   | 187   | 104   | 42.1 | 28   | 15.4 | 8    |
| 1.70V               |      | 340   | 284   | 180   | 101.5 | 41.3 | 27.4 | 15.3 | 7.95 |
| 1.75V               |      | 325   | 272   | 173   | 99    | 40.5 | 26.8 | 15.2 | 7.9  |
| 1.80V               |      | 308   | 259   | 165   | 96    | 39.5 | 26.1 | 15   | 7.8  |

(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 Volt/Cell | 5min | 10min | 15min | 30min | 45min | 1h    | 2h    | 3h   | 5h   |
|---------------------|------|-------|-------|-------|-------|-------|-------|------|------|
| 1.60V               |      | 620   | 515   | 340   | 250   | 202   | 117   | 85   | 56   |
| 1.65V               |      | 598   | 499   | 329   | 242   | 197.5 | 114.2 | 82.9 | 54.6 |
| 1.70V               |      | 574   | 482   | 317   | 233   | 192.5 | 111.1 | 80.7 | 53.1 |
| 1.75V               |      | 548   | 464   | 305   | 224   | 187   | 107.8 | 78.4 | 51.5 |
| 1.80V               |      | 519   | 444   | 292   | 214   | 181   | 104.3 | 75.9 | 49.8 |

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