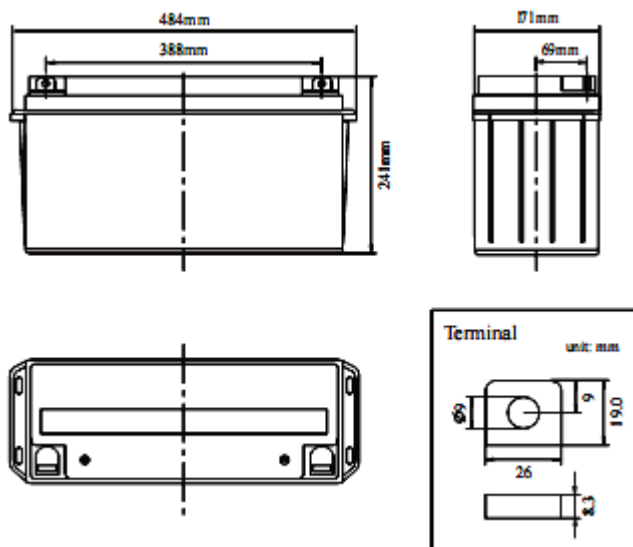


**Product Image**



**Product Dimensions**



**Characteristics**

|   |                           |  |
|---|---------------------------|--|
| Nominal Voltage                                   |                           | 12V  |
| Nominal Capacity (20 hour rate)                   |                           | 150Ah  |
| Capacity<br>25°C(77°F)                            | 10 hour rate (13.6A)      | 136Ah  |
|   | 5 hour rate (24A)         | 120Ah  |
|   | 1 hour rate (88.3A)       | 88.3Ah   |
| Internal Resistance                               | Full Charged Battery 25°C | ≤3.5mΩ   |
| Capacity affected by<br>Temperature<br>(10 hour ) | 40°C (104°F)              | 102%   |
|   | 25°C (77°F)               | 100%   |
|   | 0°C (32°F)                | 85%  |
|   | -15°C (5°F)               | 65%  |
| Self-Discharge<br>25°C(77°F)<br>Capacity          | after 3 month storage     | 90%  |
|   | after 6 month storage     | 80%  |
|   | after 12 month storage    | 62%  |
| Charge<br>(Constant<br>Voltage)<br>25°C<br>(77°F) | Float                     | Initial Charging Current Less than 30A<br>Voltage 13.6-13.8V |
|   | Cycle                     | Initial Charging Current Less than 30A<br>Voltage 14.4-14.9V |

**Packaging**

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 484mm        |
|                       | Width           | 171mm        |
|                       | Height          | 241mm        |
|                       | Total<br>Height | 241mm        |
| Box<br>Dimensions     | Length          | 499mm        |
|                       | Width           | 185mm        |
|                       | Height          | 299mm        |
| Quantity Per Box      |                 | 1 PC per box |
| Net weight Per Cell   |                 | 43.5 kg±3%   |
| Net weight Per Box    |                 | 43.5kg       |
| Gross Weight          |                 | 44.3kg       |

**Discharge Constant Current per Cell (Amperes at 77°F25°C)**

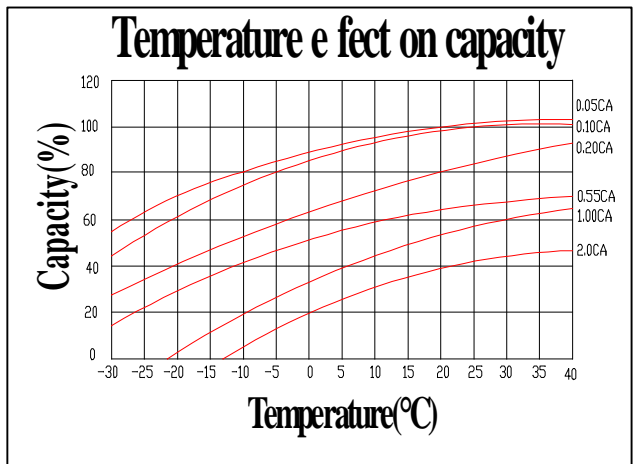
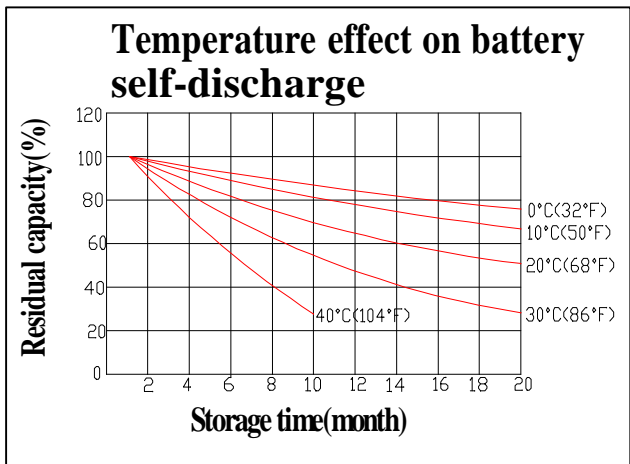
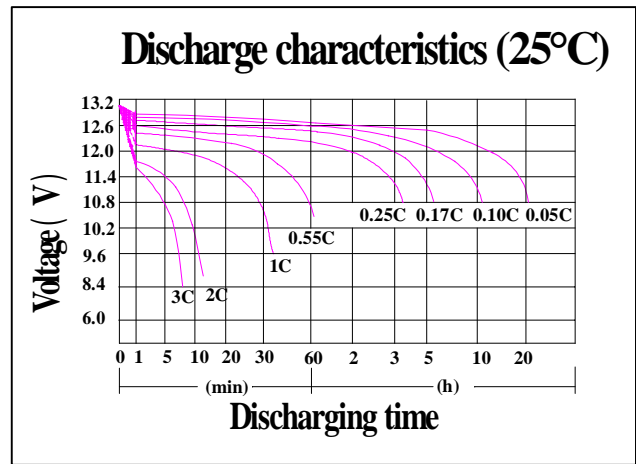
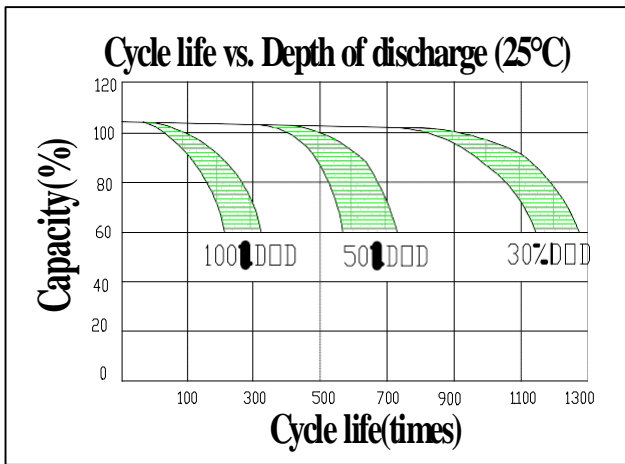
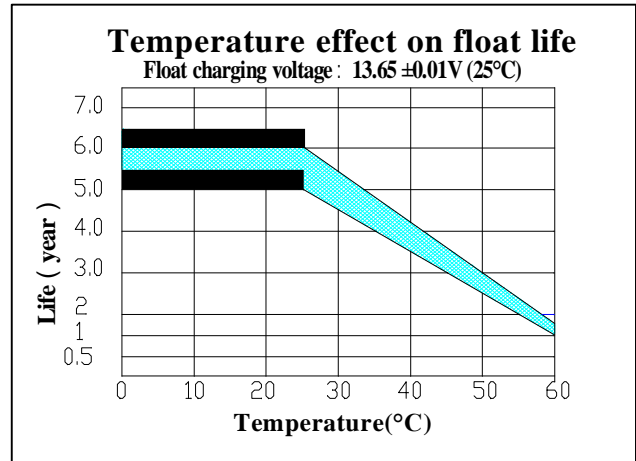
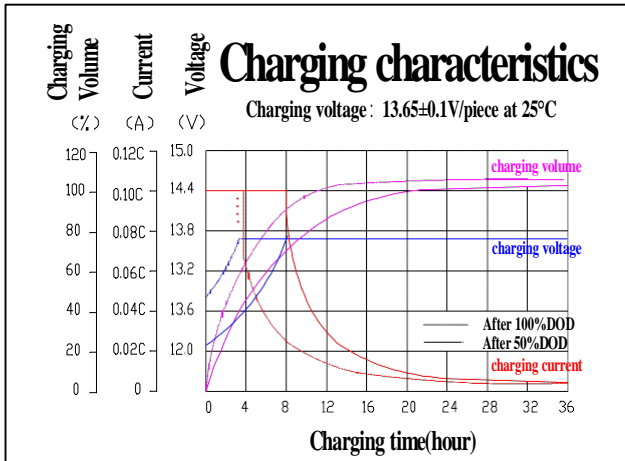
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h   | 10h  | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-----|
| 1.60V    | 380.0 | 236.4 | 196.0 | 138.4 | 99.3  | 88.3 | 54.6 | 37.4 | 25.4 | 16.8 | 15.0 | 8.2 |
| 1.65V    | 373.1 | 232.1 | 192.4 | 135.9 | 97.5  | 86.7 | 53.6 | 36.7 | 25.0 | 16.5 | 14.7 | 8.1 |
| 1.70V    | 366.2 | 227.8 | 188.8 | 133.3 | 95.7  | 85.1 | 52.6 | 36.0 | 24.5 | 16.1 | 14.4 | 7.9 |
| 1.75V    | 359.3 | 223.5 | 185.3 | 130.8 | 93.9  | 83.4 | 51.6 | 35.4 | 24.0 | 15.8 | 14.1 | 7.8 |
| 1.80V    | 345.4 | 214.9 | 178.2 | 125.8 | 90.3  | 80.2 | 49.6 | 34.0 | 23.1 | 15.2 | 13.6 | 7.5 |

**Discharge Constant Power per Cell (Watts at 77°F 25°C)**

| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h    | 2h    | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1.60V    | 731.5 | 455.0 | 377.3 | 266.4 | 191.2 | 169.9 | 105.1 | 72.0 | 49.0 | 32.3 | 28.8 | 15.8 |
| 1.65V    | 718.2 | 446.7 | 370.4 | 261.5 | 187.7 | 166.8 | 103.2 | 70.7 | 48.1 | 31.7 | 28.3 | 15.6 |
| 1.70V    | 704.9 | 438.5 | 363.5 | 256.7 | 184.3 | 163.7 | 101.3 | 69.4 | 47.2 | 31.1 | 27.8 | 15.3 |
| 1.75V    | 691.6 | 430.2 | 356.7 | 251.9 | 180.8 | 160.6 | 99.4  | 68.1 | 46.3 | 30.5 | 27.2 | 15.0 |
| 1.80V    | 665.0 | 413.6 | 343.0 | 242.2 | 173.8 | 154.5 | 95.6  | 65.5 | 44.5 | 29.3 | 26.2 | 14.4 |

**Note** The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice.

**Performance Characteristics**



**Battery Construction**

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