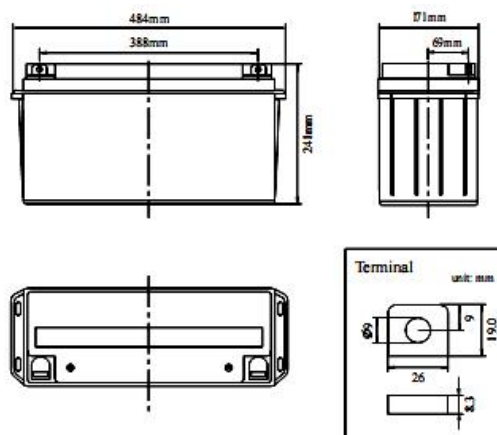


### Product Image



### Product Dimensions



### Characteristics

|                                                   |                           |                                                                |
|---------------------------------------------------|---------------------------|----------------------------------------------------------------|
| Nominal Voltage                                   |                           | 12V                                                            |
| Nominal Capacity (10 hour rate)                   |                           | 150Ah                                                          |
| Capacity<br>25°C (77°F)                           | 20 hour rate (8.33A)      | 166.5Ah                                                        |
|                                                   | 5 hour rate (27.5A)       | 137.3Ah                                                        |
|                                                   | 1 hour rate (99.8A)       | 99.8Ah                                                         |
| Internal Resistance                               | Full Charged Battery 25°C | ≤3.5m Ω                                                        |
| 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 37.5A<br>Voltage 13.6-13.8V |
|                                                   | Cycle                     | Initial Charging Current Less than 37.5A<br>Voltage 14.4-14.9V |

### Packaging

|                       |              |              |
|-----------------------|--------------|--------------|
| Battery<br>Dimensions | Length       | 484mm        |
|                       | Width        | 171mm        |
|                       | Height       | 241mm        |
|                       | Total Height | 241mm        |
| Box<br>Dimensions     | Length       | 499mm        |
|                       | Width        | 185mm        |
|                       | Height       | 299mm        |
| Quantity Per Box      |              | 1 PC per box |
| Net weight Per Cell   |              | 53.5kg±400g  |
| Net weight Per Box    |              | 53.5kg       |
| Gross Weight          |              | 54kg         |

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

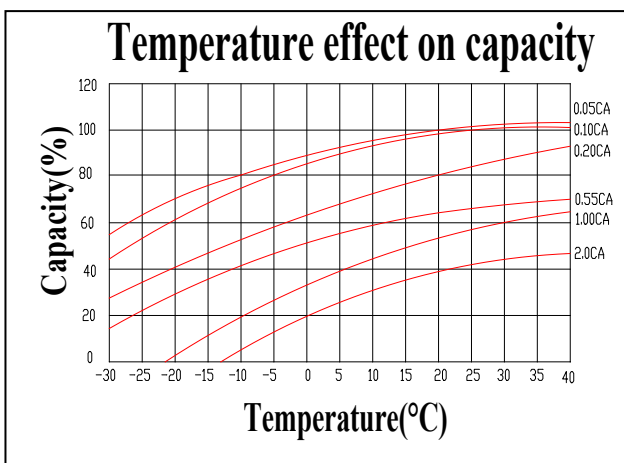
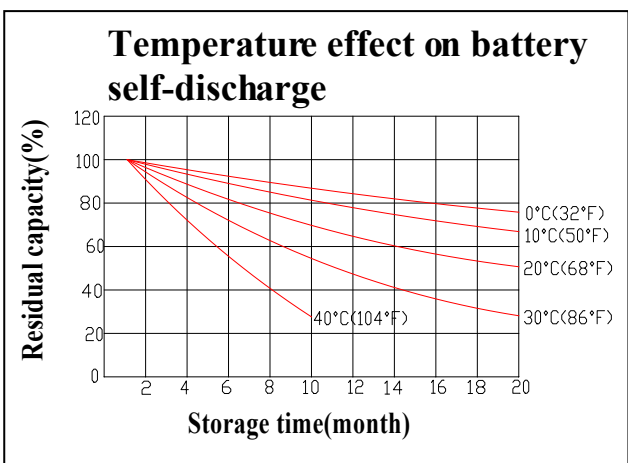
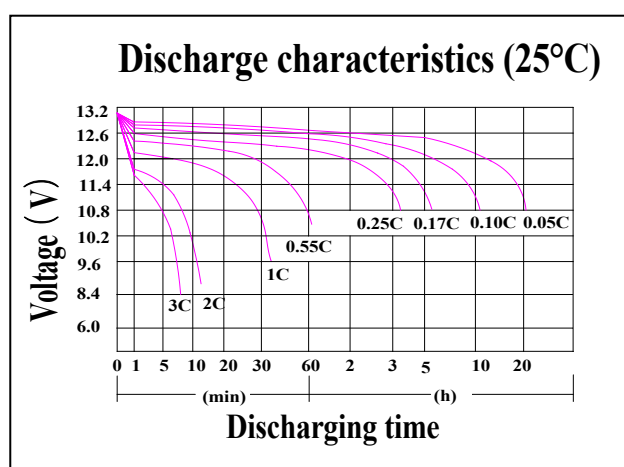
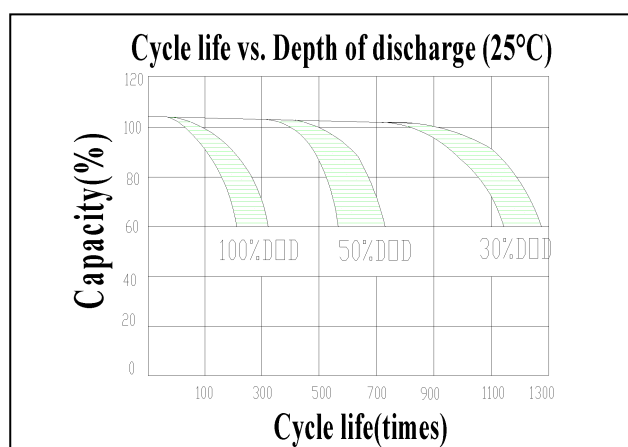
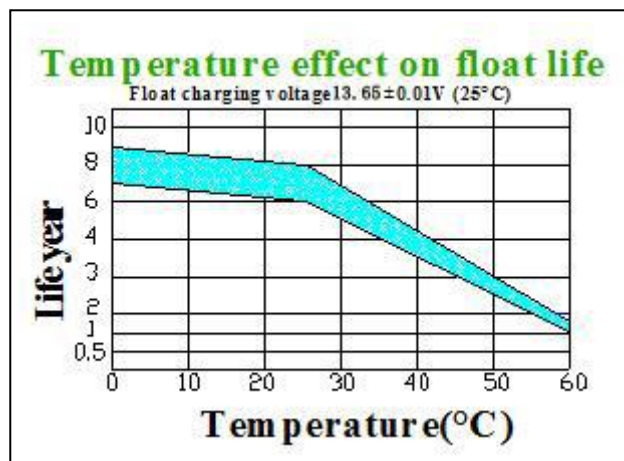
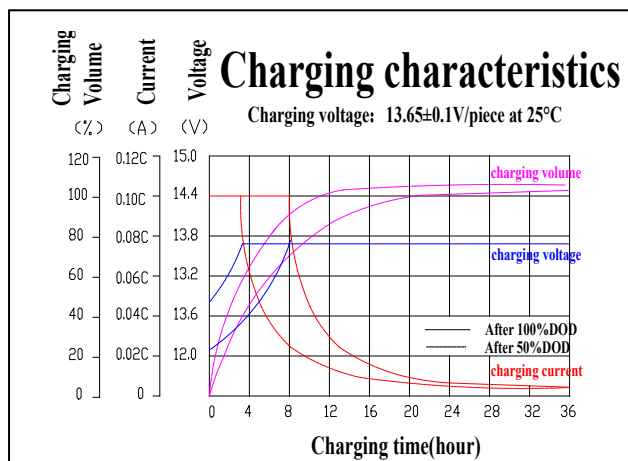
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h   | 10h  | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-----|
| 1.60V    | 504.4 | 336.0 | 253.2 | 157.6 | 113.1 | 99.8 | 60.8 | 44.4 | 28.6 | 17.4 | 15.6 | 8.7 |
| 1.65V    | 465.0 | 309.8 | 242.7 | 153.4 | 110.1 | 97.1 | 59.7 | 43.7 | 28.2 | 17.3 | 15.5 | 8.6 |
| 1.70V    | 472.9 | 315.0 | 232.1 | 149.2 | 107.0 | 94.4 | 58.6 | 42.8 | 27.8 | 17.2 | 15.3 | 8.5 |
| 1.75V    | 417.7 | 278.3 | 221.6 | 144.9 | 104.0 | 91.8 | 57.2 | 41.8 | 27.4 | 17.0 | 15.2 | 8.4 |
| 1.80V    | 394.0 | 262.5 | 211.0 | 140.7 | 101.0 | 89.1 | 55.8 | 40.8 | 27.0 | 16.8 | 15.0 | 8.3 |

### 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    | 940.7 | 626.6 | 472.3 | 293.9 | 210.8 | 186.1 | 113.4 | 83.0 | 53.3 | 32.6 | 29.1 | 16.1 |
| 1.65V    | 867.2 | 577.7 | 452.6 | 286.0 | 205.2 | 181.1 | 111.4 | 81.4 | 52.6 | 32.3 | 28.8 | 16.0 |
| 1.70V    | 881.9 | 587.4 | 432.9 | 278.2 | 199.6 | 176.2 | 109.3 | 79.9 | 51.8 | 32.0 | 28.5 | 15.8 |
| 1.75V    | 779.0 | 518.9 | 413.3 | 270.3 | 193.9 | 171.2 | 106.7 | 78.0 | 51.1 | 31.7 | 28.2 | 15.7 |
| 1.80V    | 734.9 | 489.6 | 393.6 | 262.4 | 188.3 | 166.1 | 104.1 | 76.1 | 50.3 | 31.3 | 27.9 | 15.6 |

**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. Contact **US** for the latest information.

## 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 |

**Guangdong JiYi General Electric Co., Ltd.**

Oversea sales office Tel: +86-020-84869873

Fax: +86-020-34628335

Domestic sales office Tel: 020-34628335

Fax: 020-34628335

E-mail: ge@gerch.cn