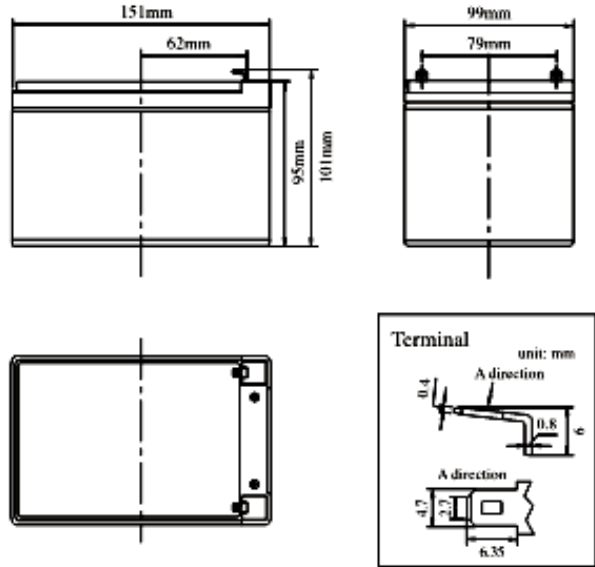


**Product Image**



**Product Dimensions**



**Characteristics**

|  |                           |   |
|--|---------------------------|---|
| Nominal Voltage                                    |                           | 12V   |
| Nominal Capacity (20 hour rate)                    |                           | 14Ah  |
| Capacity<br>25°C (77 °F)                           | 10 hour rate (1.34A)      | 13.4Ah  |
|  | 5 hour rate (2.50A)       | 12.46Ah   |
|  | 1 hour rate (9.24A)       | 9.24Ah  |
| Internal Resistance                                | Full Charged Battery 25°C | ≤14mΩ   |
| 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 3.6A<br>Voltage 13.6-13.8V |
|  | Cycle                     | Initial Charging Current Less than 3.6A<br>Voltage 14.4-15.0V |

**Packaging**

|                       |                 |               |
|-----------------------|-----------------|---------------|
| Battery<br>Dimensions | Length          | 151mm         |
|                       | Width           | 99mm          |
|                       | Height          | 95mm          |
|                       | Total<br>Height | 101mm         |
| Box<br>Dimensions     | Length          | 325mm         |
|                       | Width           | 218mm         |
|                       | Height          | 141mm         |
| Quantity Per Box      |                 | 4 pcs per box |
| Net weight Per Cell   |                 | 4.1 kg ±150g  |
| Net weight Per Box    |                 | 16.4kg        |
| Gross Weight          |                 | 16.7kg        |

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

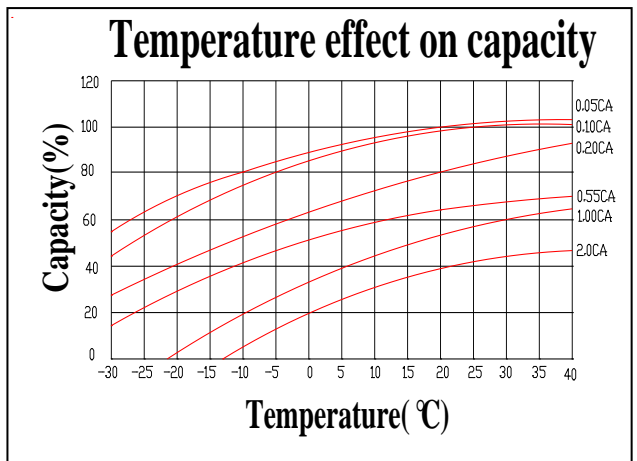
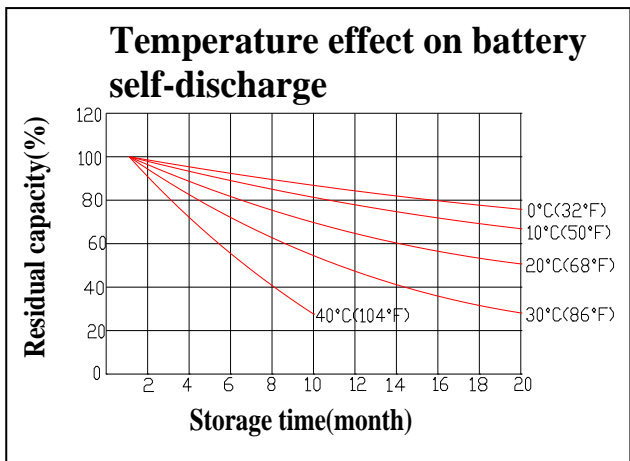
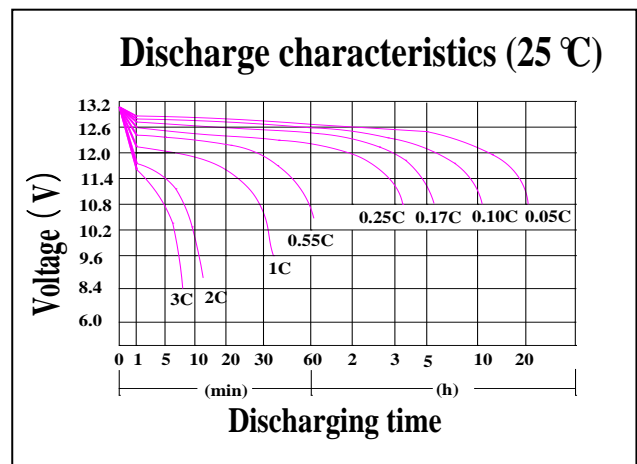
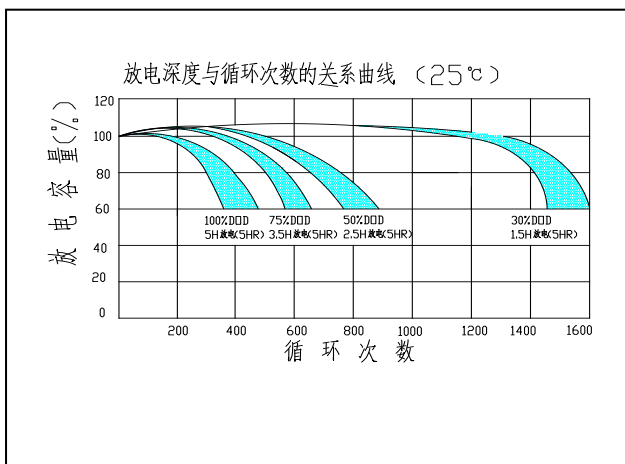
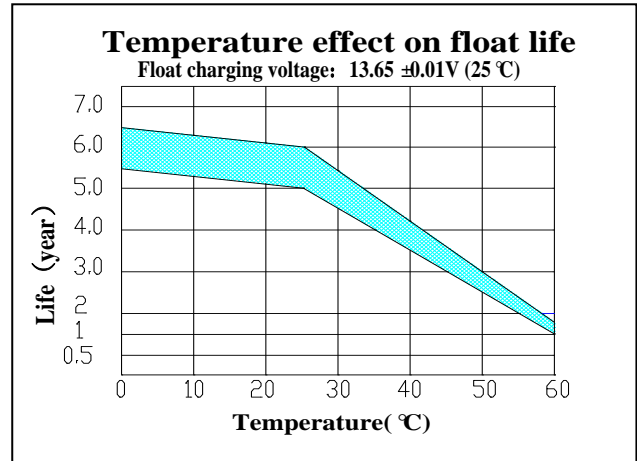
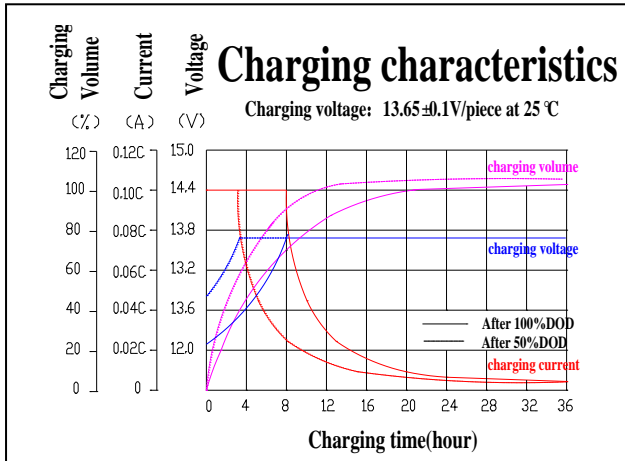
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V    | 39.60 | 26.40 | 19.86 | 13.20 | 9.24  | 7.92 | 4.95 | 3.39 | 2.26 | 1.52 | 1.26 | 0.66 |
| 1.65V    | 38.88 | 25.92 | 19.50 | 12.96 | 9.07  | 7.78 | 4.86 | 3.33 | 2.22 | 1.49 | 1.23 | 0.65 |
| 1.70V    | 38.16 | 25.44 | 19.14 | 12.72 | 8.90  | 7.63 | 4.77 | 3.27 | 2.18 | 1.46 | 1.21 | 0.64 |
| 1.75V    | 37.44 | 24.96 | 18.78 | 12.48 | 8.74  | 7.49 | 4.68 | 3.21 | 2.14 | 1.44 | 1.19 | 0.62 |
| 1.80V    | 36.00 | 24.00 | 18.06 | 12.00 | 8.40  | 7.20 | 4.50 | 3.08 | 2.06 | 1.38 | 1.14 | 0.60 |

**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    | 76.23 | 50.82 | 38.24 | 25.41 | 17.79 | 15.25 | 9.53 | 6.53 | 4.35 | 2.93 | 2.42 | 1.27 |
| 1.65V    | 74.84 | 49.90 | 37.54 | 24.95 | 17.46 | 14.97 | 9.36 | 6.41 | 4.27 | 2.87 | 2.37 | 1.25 |
| 1.70V    | 73.46 | 48.97 | 36.85 | 24.49 | 17.14 | 14.69 | 9.18 | 6.29 | 4.20 | 2.82 | 2.33 | 1.22 |
| 1.75V    | 72.07 | 48.05 | 36.15 | 24.02 | 16.82 | 14.41 | 9.01 | 6.17 | 4.12 | 2.77 | 2.29 | 1.20 |
| 1.80V    | 69.30 | 46.20 | 34.76 | 23.10 | 16.17 | 13.86 | 8.66 | 5.94 | 3.96 | 2.66 | 2.20 | 1.16 |

**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 |