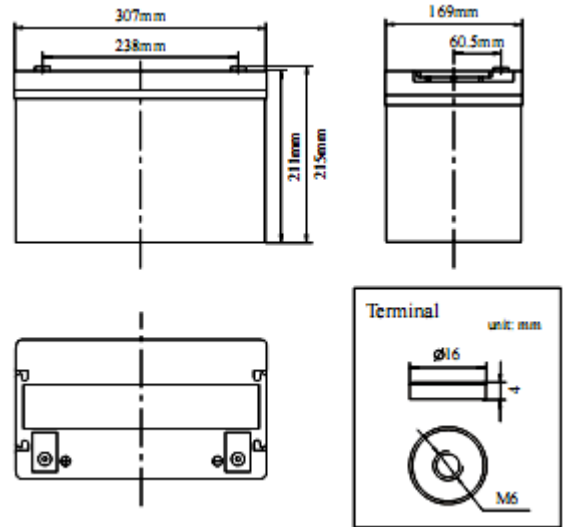


### Product Image



### Product Dimensions



### Characteristics

|   |                           |  |
|---|---------------------------|--|
| Nominal Voltage                                   |                           | 12V  |
| Watts/cell@15min                                  |                           | 370W   |
| Capacity<br>25°C (77°F)                           | 10 hour rate (9.5A)       | 95Ah   |
|   | 5 hour rate (16.6A)       | 83Ah   |
|   | 1 hour rate (60.3A)       | 60.3Ah   |
| Internal Resistance                               | Full Charged Battery 25°C | ≤5.0m Ω  |
| Capacity affected by<br>Temperature<br>(10 hour)  | 40°C (104°F)              | 102%   |
|   | 25°C (77°F)               | 100%   |
|   | 0°C (32°F)                | 85%  |
| 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 19.0A<br>Voltage 13.6-13.8V |
|   | Cycle                     | Initial Charging Current Less than 19.0A<br>Voltage 14.4-14.9V |

### Packaging

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 307mm        |
|                       | Width           | 169mm        |
|                       | Height          | 211mm        |
|                       | Total<br>Height | 215mm        |
| Box<br>Dimensions     | Length          | 323mm        |
|                       | Width           | 183mm        |
|                       | Height          | 257mm        |
| Quantity Per Box      |                 | 1 PC per box |
| Net weight Per Cell   |                 | 31 kg±3%     |
| Net weight Per Box    |                 | 31kg         |
| Gross Weight          |                 | 31.5kg       |

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

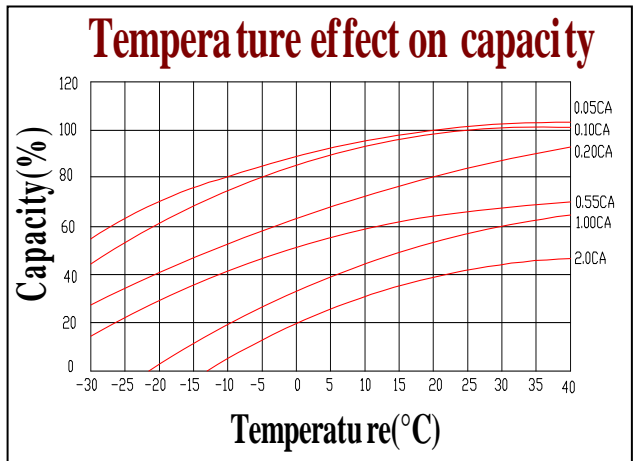
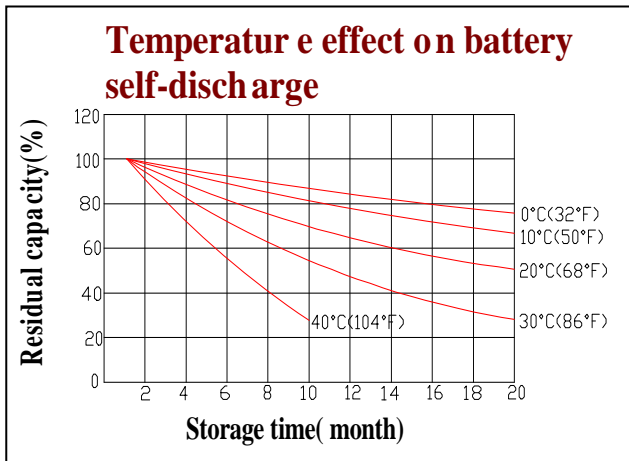
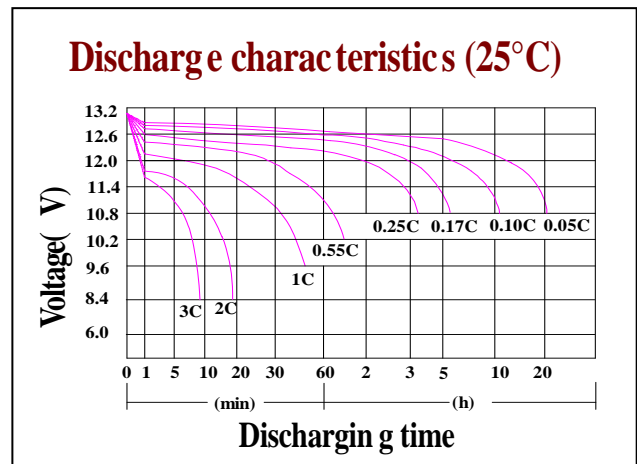
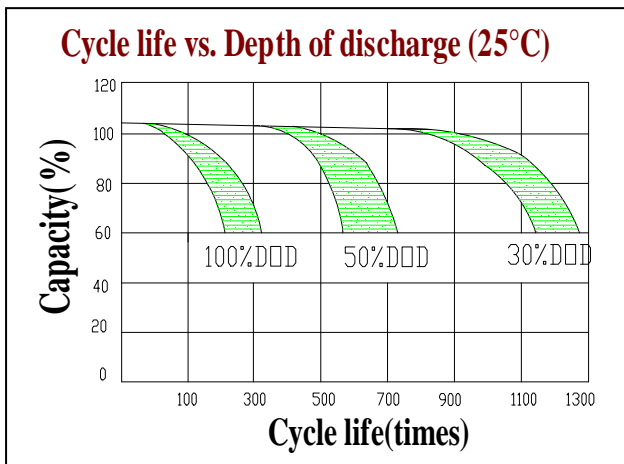
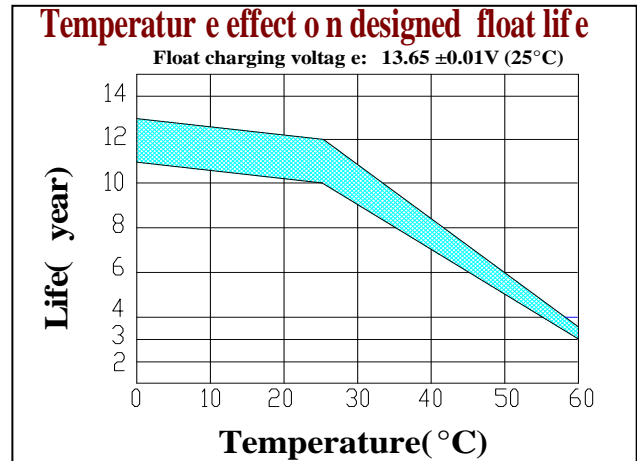
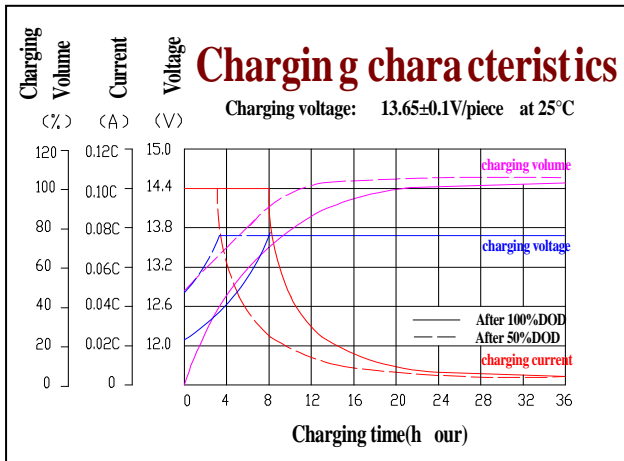
| F.V/Time | 5min  | 10min | 15min | 20min | 25min | 30min | 45min | 60min | 90min | 2h   | 3h   | 10h  |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 1.60V    | 541.8 | 428.7 | 376.1 | 329.2 | 280.7 | 235.9 | 171.4 | 118.9 | 99.4  | 75.3 | 54.5 | 19.5 |
| 1.67V    | 531.8 | 420.9 | 370.0 | 325.1 | 275.4 | 231.4 | 168.3 | 116.7 | 97.7  | 74.0 | 53.6 | 19.0 |
| 1.70V    | 522.0 | 413.1 | 362.6 | 319.1 | 270.4 | 227.2 | 165.2 | 114.5 | 95.6  | 72.4 | 52.5 | 18.8 |
| 1.75V    | 512.1 | 405.4 | 355.7 | 309.0 | 265.4 | 223.0 | 162.1 | 112.5 | 93.9  | 71.1 | 51.6 | 18.4 |
| 1.80V    | 492.5 | 389.8 | 341.9 | 295.9 | 255.1 | 214.4 | 155.9 | 108.1 | 90.4  | 68.4 | 49.6 | 17.7 |

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

| F.V/Time | 5min  | 10min | 15min | 20min | 25min | 30min | 45min | 60min | 90min | 2h   | 3h   | 10h   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| 1.60V    | 290.5 | 229.9 | 201.7 | 176.5 | 150.5 | 126.5 | 91.9  | 63.8  | 53.3  | 40.4 | 29.2 | 10.45 |
| 1.67V    | 285.1 | 225.7 | 198.0 | 174.3 | 147.7 | 124.1 | 90.3  | 62.6  | 52.4  | 39.7 | 28.7 | 10.21 |
| 1.70V    | 279.9 | 221.5 | 194.4 | 171.1 | 145.0 | 121.8 | 88.6  | 61.4  | 51.3  | 38.8 | 28.1 | 10.09 |
| 1.75V    | 274.6 | 217.4 | 190.7 | 165.7 | 142.3 | 119.6 | 86.9  | 60.3  | 50.3  | 38.1 | 27.7 | 9.86  |
| 1.80V    | 264.1 | 209.0 | 183.4 | 158.7 | 136.8 | 115.0 | 83.6  | 58.0  | 48.5  | 36.7 | 26.6 | 9.50  |

**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 **MCA** 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    | Copper   | Fiberglass | Sulfuric acid |