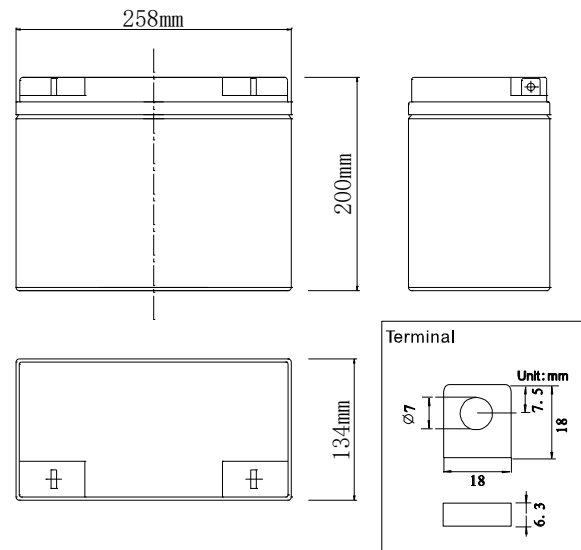


## Product Image



## Product Dimensions



## Characteristics

|  |                           |  |
|--|---------------------------|--|
| Nominal Voltage                                    |                           | 12V  |
| Nominal Capacity (10 hour rate)                    |                           | 60Ah   |
| Capacity<br>25°C (77 °F)                           | 20 hour rate (3.33A)      | 66.7Ah   |
|  | 5 hour rate (11.0A)       | 54.9Ah   |
|  | 1 hour rate (40.0A)       | 40.0Ah   |
| Internal Resistance                                | Full Charged Battery 25°C | ≤8.4mΩ   |
| 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 12.5A<br>Voltage 13.6-13.8V |
|  | Cycle                     | Initial Charging Current Less than 12.5A<br>Voltage 14.4-14.9V |

## Packaging

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 258mm        |
|                       | Width           | 134mm        |
|                       | Height          | 200mm        |
|                       | Total<br>Height | 200mm        |
| Box<br>Dimensions     | Length          | 273mm        |
|                       | Width           | 149mm        |
|                       | Height          | 245mm        |
| Quantity Per Box      |                 | 1 PC per box |
| Net weight Per Cell   |                 | 18 kg±2100g  |
| Net weight Per Box    |                 | 18kg         |
| Gross Weight          |                 | 18.5kg       |

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

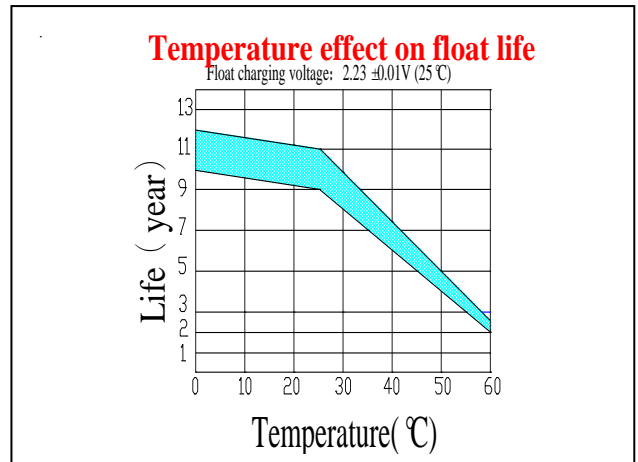
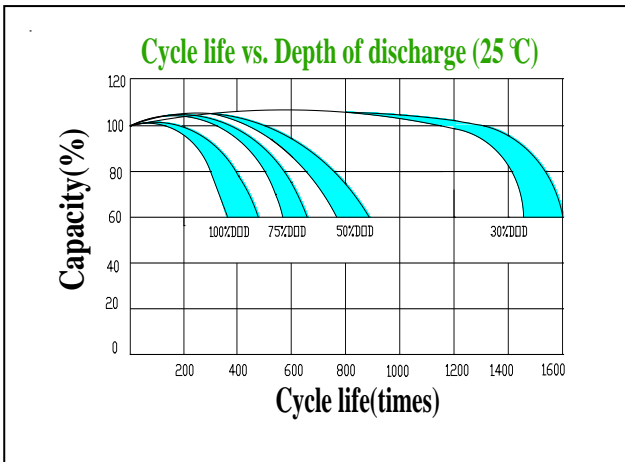
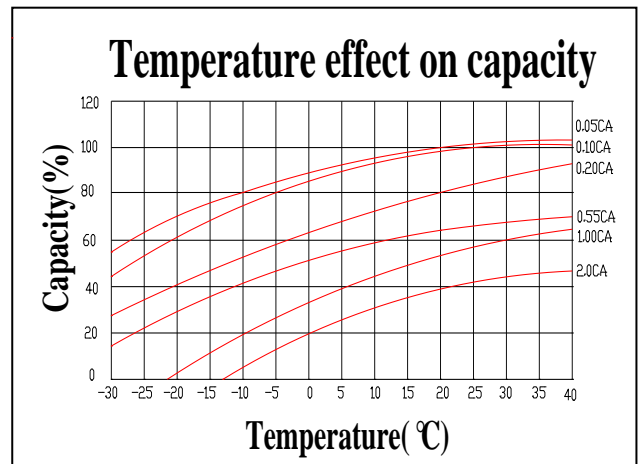
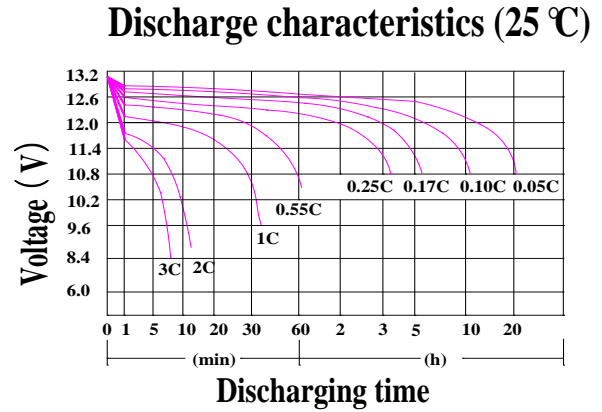
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h  | 8h  | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|------|------|------|-----|-----|------|------|
| 1.60V    | 168.1 | 112.0 | 84.4  | 52.5  | 37.7  | 33.3 | 20.3 | 14.8 | 9.5 | 5.8 | 5.20 | 2.89 |
| 1.65V    | 155.0 | 103.3 | 80.9  | 51.1  | 36.7  | 32.4 | 19.9 | 14.6 | 9.4 | 5.8 | 5.15 | 2.86 |
| 1.70V    | 157.6 | 105.0 | 77.4  | 49.7  | 35.7  | 31.5 | 19.5 | 14.3 | 9.3 | 5.7 | 5.10 | 2.83 |
| 1.75V    | 139.2 | 92.8  | 73.9  | 48.3  | 34.7  | 30.6 | 19.1 | 13.9 | 9.1 | 5.7 | 5.05 | 2.80 |
| 1.80V    | 131.4 | 87.5  | 70.4  | 46.9  | 33.7  | 29.7 | 18.6 | 13.6 | 9.0 | 5.6 | 5.00 | 2.78 |

### 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    | 313.6 | 208.9 | 157.4 | 98.0  | 70.3  | 62.0 | 37.8 | 27.6 | 17.8 | 10.9 | 9.7 | 5.4 |
| 1.65V    | 289.1 | 192.6 | 150.9 | 95.3  | 68.4  | 60.4 | 37.1 | 27.1 | 17.5 | 10.8 | 9.6 | 5.3 |
| 1.70V    | 294.0 | 195.8 | 144.3 | 92.7  | 66.5  | 58.7 | 36.4 | 26.6 | 17.3 | 10.7 | 9.5 | 5.3 |
| 1.75V    | 259.7 | 173.0 | 137.8 | 90.1  | 64.6  | 57.1 | 35.6 | 26.0 | 17.0 | 10.5 | 9.4 | 5.2 |
| 1.80V    | 245.0 | 163.2 | 131.2 | 87.5  | 62.8  | 55.4 | 34.7 | 25.4 | 16.8 | 10.4 | 9.3 | 5.2 |

**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 | Colloid(GEL) |