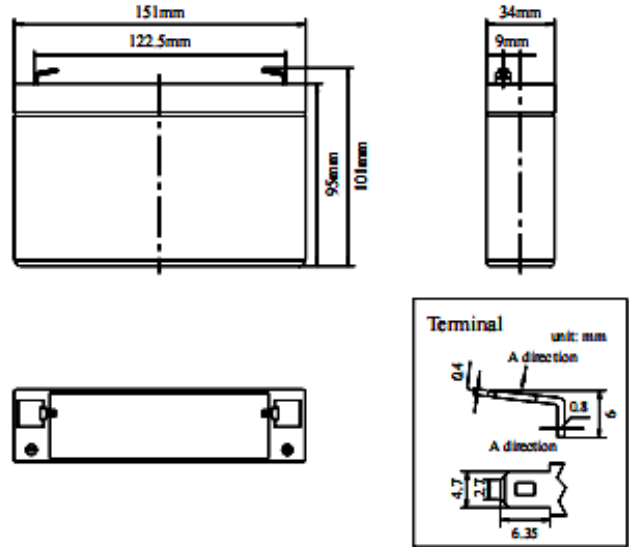


**Product Image**



**Product Dimensions**



**Characteristics**

|  |                           |   |
|--|---------------------------|---|
| Nominal Voltage                                    |                           | 6V  |
| Nominal Capacity (20 hour rate)                    |                           | 9Ah   |
| Capacity<br>25°C (77 °F)                           | 10 hour rate (0.83A)      | 8.3Ah   |
|  | 5 hour rate (1.6A)        | 7.96Ah  |
|  | 1 hour rate (6.0A)        | 6.0Ah   |
| Internal Resistance                                | Full Charged Battery 25°C | ≤16mΩ   |
| 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 2.1A<br>Voltage 6.8-6.9V |
|  | Cycle                     | Initial Charging Current Less than 2.1A<br>Voltage 7.2-7.5V |

**Packaging**

|                       |                 |                |
|-----------------------|-----------------|----------------|
| Battery<br>Dimensions | Length          | 151mm          |
|                       | Width           | 34mm           |
|                       | Height          | 95mm           |
|                       | Total<br>Height | 101mm          |
| Box<br>Dimensions     | Length          | 409mm          |
|                       | Width           | 165mm          |
|                       | Height          | 141mm          |
| Quantity Per Box      |                 | 10 pcs per box |
| Net weight Per Cell   |                 | 1.15 kg±50g    |
| Net weight Per Box    |                 | 11.5kg         |
| Gross Weight          |                 | 12.0kg         |

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

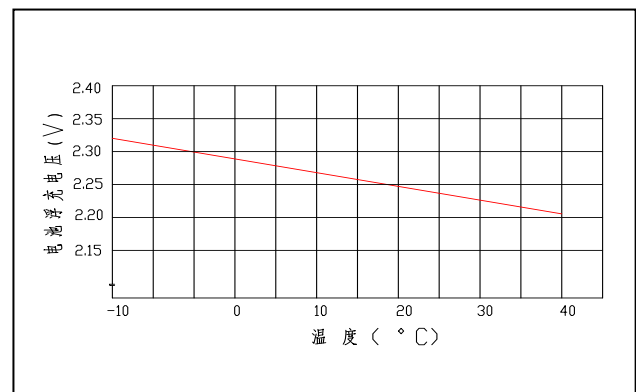
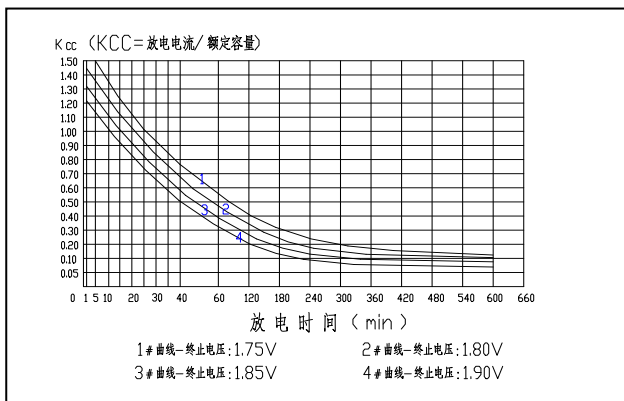
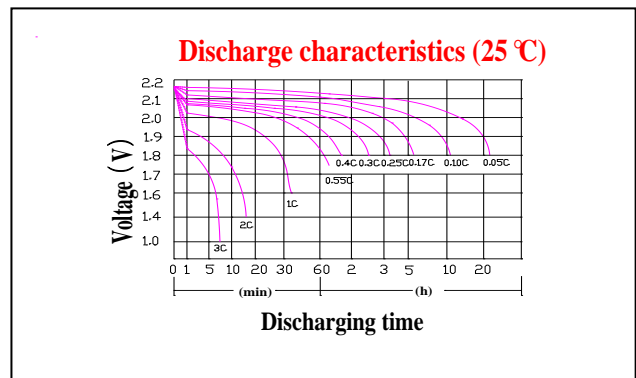
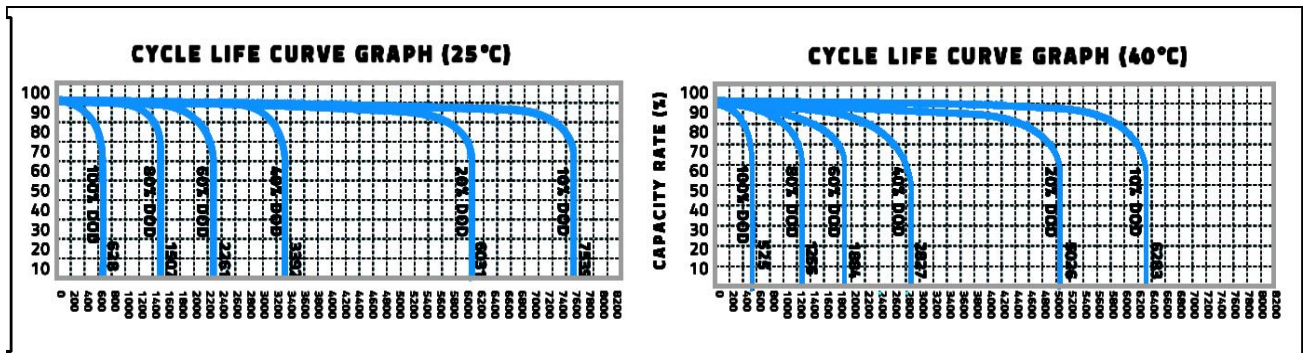
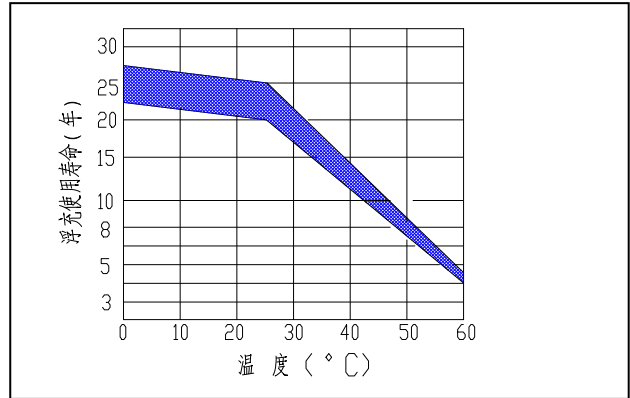
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V    | 23.10 | 15.40 | 11.59 | 7.70  | 5.39  | 4.62 | 2.89 | 1.98 | 1.32 | 0.89 | 0.73 | 0.39 |
| 1.65V    | 22.68 | 15.12 | 11.38 | 7.56  | 5.29  | 4.54 | 2.84 | 1.94 | 1.30 | 0.87 | 0.72 | 0.38 |
| 1.70V    | 22.26 | 14.84 | 11.17 | 7.42  | 5.19  | 4.45 | 2.78 | 1.91 | 1.27 | 0.85 | 0.71 | 0.37 |
| 1.75V    | 21.84 | 14.56 | 10.96 | 7.28  | 5.10  | 4.37 | 2.73 | 1.87 | 1.25 | 0.84 | 0.69 | 0.36 |
| 1.80V    | 21.00 | 14.00 | 10.53 | 7.00  | 4.90  | 4.20 | 2.63 | 1.80 | 1.20 | 0.81 | 0.67 | 0.35 |

**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    | 44.47 | 29.65 | 22.31 | 14.82 | 10.38 | 8.89 | 5.56 | 3.81 | 2.54 | 1.71 | 1.41 | 0.74 |
| 1.65V    | 43.66 | 29.11 | 21.90 | 14.55 | 10.19 | 8.73 | 5.46 | 3.74 | 2.49 | 1.68 | 1.39 | 0.73 |
| 1.70V    | 42.85 | 28.57 | 21.49 | 14.28 | 10.00 | 8.57 | 5.36 | 3.67 | 2.45 | 1.65 | 1.36 | 0.71 |
| 1.75V    | 42.04 | 28.03 | 21.09 | 14.01 | 9.81  | 8.41 | 5.26 | 3.60 | 2.40 | 1.61 | 1.33 | 0.70 |
| 1.80V    | 40.43 | 26.95 | 20.28 | 13.48 | 9.43  | 8.09 | 5.05 | 3.46 | 2.31 | 1.55 | 1.28 | 0.67 |

**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**

|                     |                |                |           |       |              |          |            |             |
|---------------------|----------------|----------------|-----------|-------|--------------|----------|------------|-------------|
| <b>Component</b>    | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator  | Electrolyte |
| <b>Raw material</b> | Lead dioxide   | Lead           | ABS       | ABS   | Si-Rubber    | Copper   | Fiberglass | Silicon     |