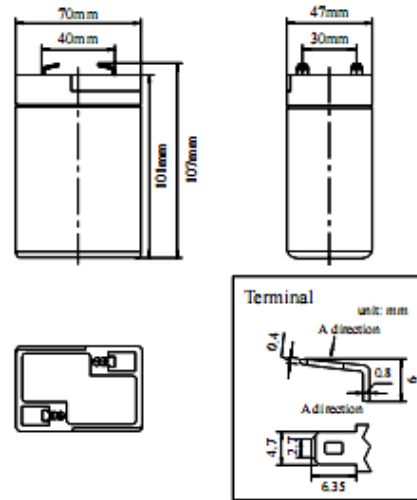


### Product Image



### Product Dimensions



### Characteristics

|   |                           |   |
|---|---------------------------|---|
| Nominal Voltage                                   |                           | 6V  |
| Nominal Capacity (20 hour rate)                   |                           | 6Ah   |
| Capacity<br>25°C (77°F)                           | 10 hour rate (0.57A)      | 5.74Ah  |
|   | 5 hour rate (1.07A)       | 5.34Ah  |
|   | 1 hour rate (3.96A)       | 3.96Ah  |
| Internal Resistance                               | Full Charged Battery 25°C | ≤18m 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 1.8A<br>Voltage 6.8-6.9V |
|   | Cycle                     | Initial Charging Current Less than 1.8A<br>Voltage 7.2-7.5V |

### Packaging

|                       |                 |                |
|-----------------------|-----------------|----------------|
| Battery<br>Dimensions | Length          | 70mm           |
|                       | Width           | 47mm           |
|                       | Height          | 101mm          |
|                       | Total<br>Height | 107mm          |
| Box<br>Dimensions     | Length          | 305mm          |
|                       | Width           | 260mm          |
|                       | Height          | 122mm          |
| Quantity Per Box      |                 | 20 pcs per box |
| Net weight Per Cell   |                 | 0.8 kg±50g     |
| Net weight Per Box    |                 | 16kg           |
| Gross Weight          |                 | 16.5kg         |

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

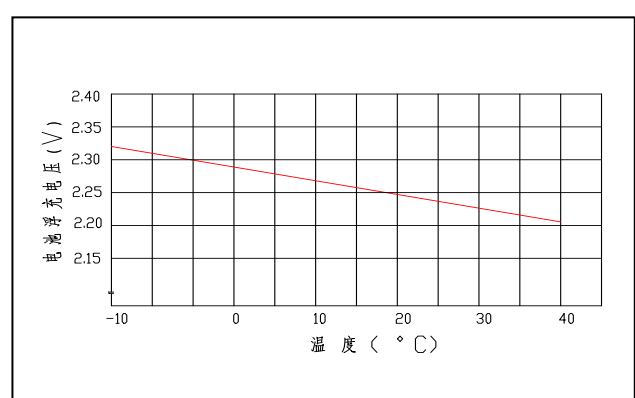
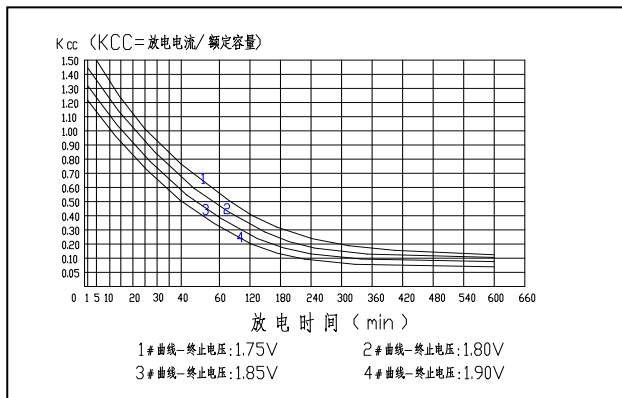
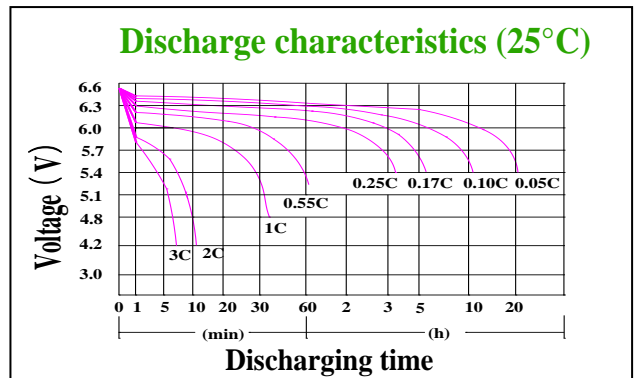
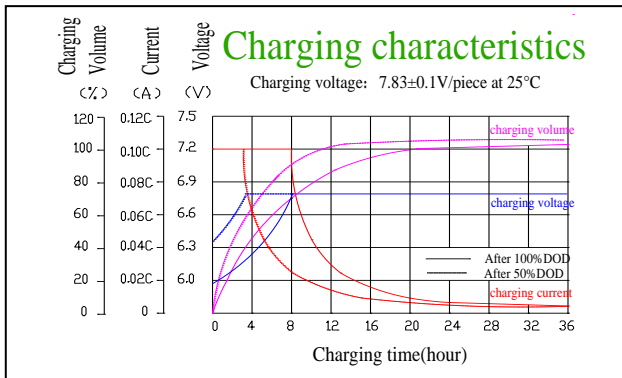
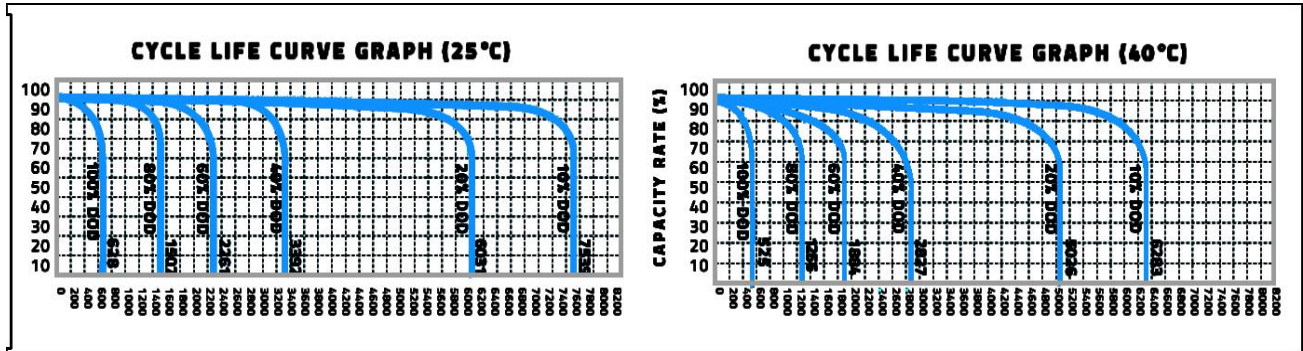
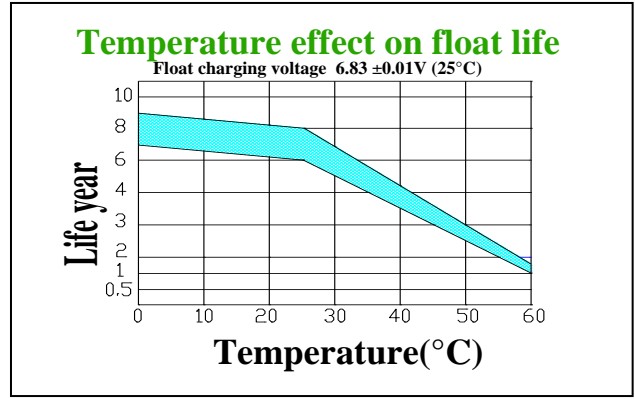
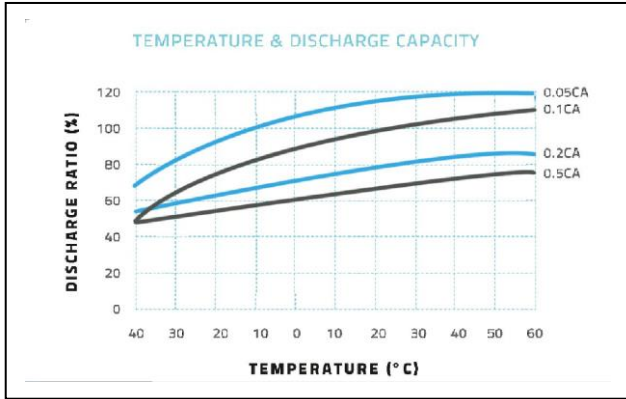
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V    | 17.34 | 11.15 | 9.29  | 6.19  | 4.44  | 3.83 | 1.69 | 1.65 | 1.12 | 0.74 | 0.66 | 0.35 |
| 1.65V    | 17.02 | 10.94 | 9.12  | 6.08  | 4.36  | 3.76 | 1.66 | 1.62 | 1.10 | 0.73 | 0.65 | 0.34 |
| 1.70V    | 16.71 | 10.74 | 8.95  | 5.96  | 4.28  | 3.69 | 1.63 | 1.59 | 1.08 | 0.71 | 0.64 | 0.34 |
| 1.75V    | 16.39 | 10.54 | 8.78  | 5.86  | 4.20  | 3.62 | 1.60 | 1.56 | 1.06 | 0.70 | 0.62 | 0.33 |
| 1.80V    | 15.76 | 10.13 | 8.44  | 5.63  | 4.04  | 3.48 | 1.54 | 1.50 | 1.02 | 0.67 | 0.60 | 0.32 |

#### 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    | 33.38 | 21.46 | 17.87 | 11.92 | 8.55  | 7.37 | 3.25 | 3.17 | 2.16 | 1.42 | 1.27 | 0.67 |
| 1.65V    | 32.77 | 21.07 | 17.55 | 11.70 | 8.39  | 7.24 | 3.19 | 3.12 | 2.12 | 1.40 | 1.25 | 0.66 |
| 1.70V    | 32.16 | 20.68 | 17.23 | 11.48 | 8.24  | 7.10 | 3.13 | 3.06 | 2.08 | 1.37 | 1.22 | 0.65 |
| 1.75V    | 31.55 | 20.29 | 16.90 | 11.27 | 8.08  | 6.97 | 3.08 | 3.01 | 2.04 | 1.34 | 1.20 | 0.64 |
| 1.80V    | 30.34 | 19.51 | 16.25 | 10.84 | 7.78  | 6.70 | 2.96 | 2.89 | 1.96 | 1.30 | 1.16 | 0.61 |

**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    | Copper   | Fiberglass | Silicon     |

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