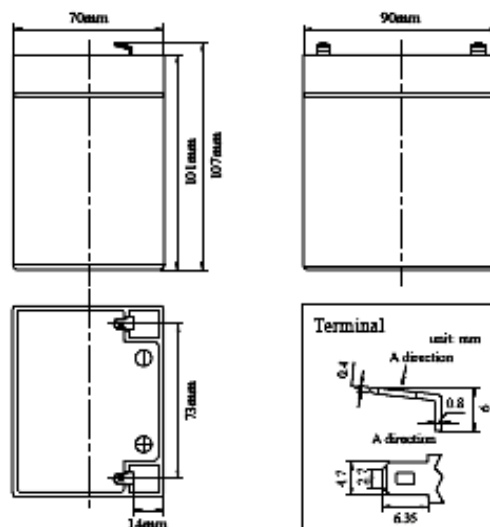


## Product Image



## Product Dimensions



## Characteristics

|                                                   |                           |                                                                |
|---------------------------------------------------|---------------------------|----------------------------------------------------------------|
| Nominal Voltage                                   |                           | 12V                                                            |
| Nominal Capacity (20 hour rate)                   |                           | 5.2Ah                                                          |
| Capacity<br>25°C (77°F)                           | 10 hour rate (0.50A)      | 4.98Ah                                                         |
|                                                   | 5 hour rate (0.93A)       | 4.63Ah                                                         |
|                                                   | 1 hour rate (3.43A)       | 3.43Ah                                                         |
|                                                   |                           |                                                                |
| Internal Resistance                               | Full Charged Battery 25°C | ≤34mΩ                                                          |
| 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<br>1.56A Voltage 13.6-13.8V |
|                                                   | Cycle                     | Initial Charging Current Less than<br>1.56A Voltage 14.4-15.0V |

## Packaging

|                       |                 |                |
|-----------------------|-----------------|----------------|
| Battery<br>Dimensions | Length          | 90mm           |
|                       | Width           | 70mm           |
|                       | Height          | 101mm          |
|                       | Total<br>Height | 107mm          |
| Box<br>Dimensions     | Length          | 377mm          |
|                       | Width           | 198mm          |
|                       | Height          | 122mm          |
| Quantity Per Box      |                 | 10 pcs per box |
| Net weight Per Cell   |                 | 1.4 kg±50g     |
| Net weight Per Box    |                 | 14kg           |
| Gross Weight          |                 | 14.5kg         |

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

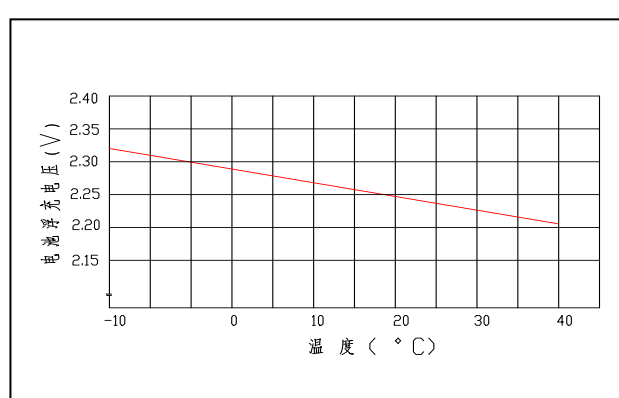
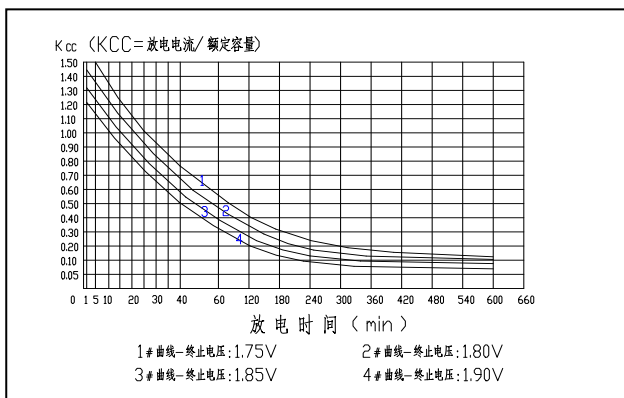
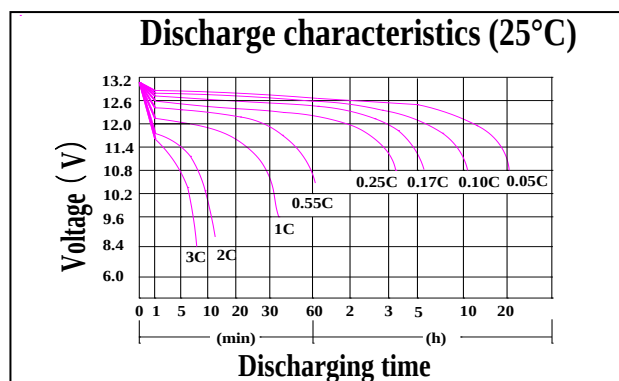
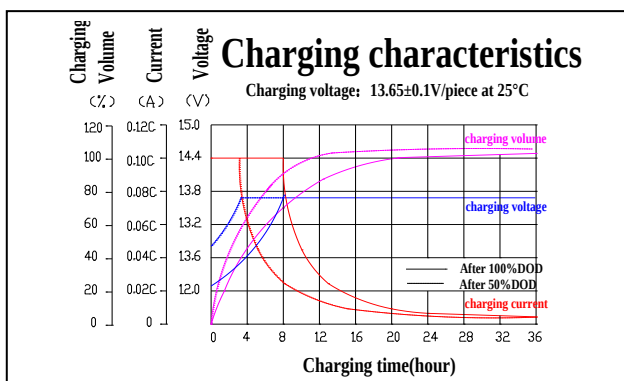
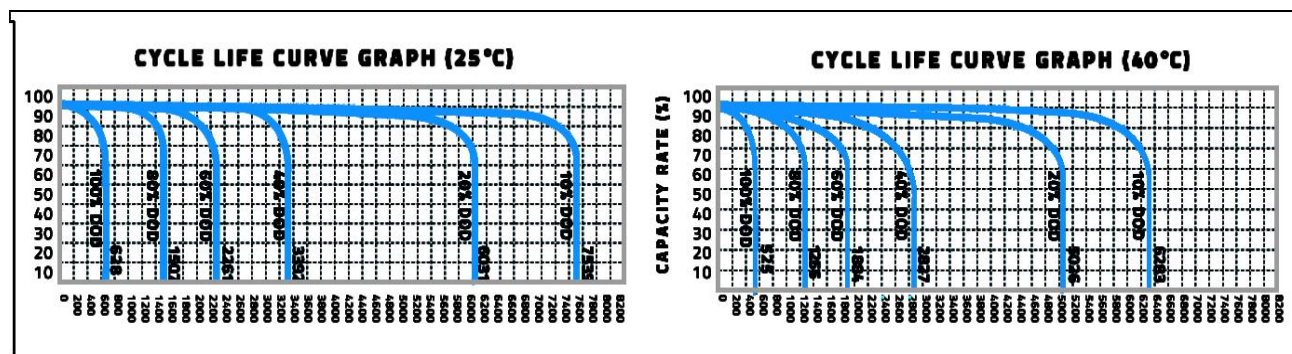
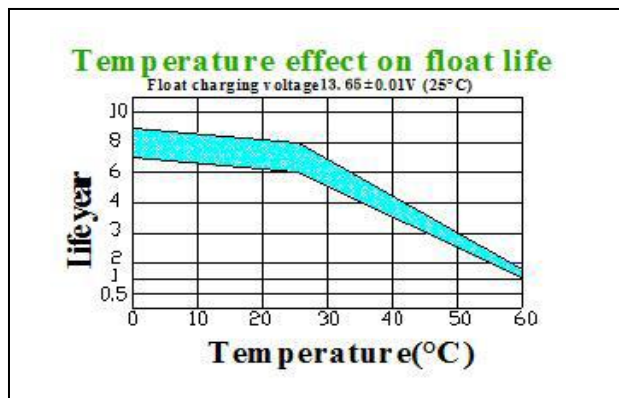
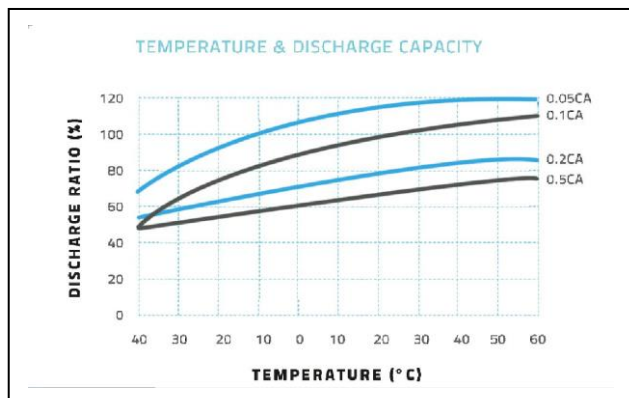
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h   | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V    | 15.03 | 9.66  | 8.05  | 5.37  | 3.85  | 3.32 | 1.47 | 1.43 | 0.97 | 0.64 | 0.57 | 0.30 |
| 1.65V    | 14.75 | 9.48  | 7.90  | 5.27  | 3.78  | 3.26 | 1.44 | 1.40 | 0.96 | 0.63 | 0.56 | 0.30 |
| 1.70V    | 14.48 | 9.31  | 7.75  | 5.17  | 3.71  | 3.20 | 1.41 | 1.38 | 0.94 | 0.62 | 0.55 | 0.29 |
| 1.75V    | 14.21 | 9.14  | 7.61  | 5.08  | 3.64  | 3.14 | 1.38 | 1.35 | 0.92 | 0.60 | 0.54 | 0.29 |
| 1.80V    | 13.66 | 8.78  | 7.32  | 4.88  | 3.50  | 3.02 | 1.33 | 1.30 | 0.88 | 0.58 | 0.52 | 0.28 |

### 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    | 28.93 | 18.60 | 15.49 | 10.33 | 7.41  | 6.39 | 2.82 | 2.75 | 1.87 | 1.23 | 1.10 | 0.58 |
| 1.65V    | 28.40 | 18.26 | 15.21 | 10.14 | 7.27  | 6.27 | 2.77 | 2.70 | 1.84 | 1.21 | 1.08 | 0.57 |
| 1.70V    | 27.87 | 17.92 | 14.93 | 9.95  | 7.14  | 6.15 | 2.71 | 2.65 | 1.80 | 1.19 | 1.06 | 0.56 |
| 1.75V    | 27.35 | 17.58 | 14.65 | 9.77  | 7.00  | 6.04 | 2.67 | 2.61 | 1.77 | 1.16 | 1.04 | 0.55 |
| 1.80V    | 26.30 | 16.91 | 14.08 | 9.39  | 6.74  | 5.81 | 2.56 | 2.50 | 1.70 | 1.12 | 1.00 | 0.53 |

**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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