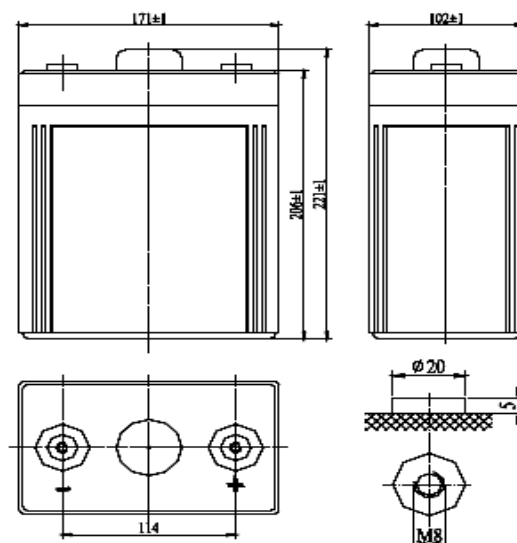


## Product Image



## Product Dimensions



## Characteristics

|                                                   |                           |                                                                |
|---------------------------------------------------|---------------------------|----------------------------------------------------------------|
| Nominal Voltage                                   |                           | 2V                                                             |
| Nominal Capacity (10 hour rate)                   |                           | 182Ah                                                          |
| Capacity<br>25°C (77°F)                           | 20 hour rate (9.65A)      | 193Ah                                                          |
|                                                   | 5 hour rate (32.2A)       | 160.7Ah                                                        |
|                                                   | 1 hour rate (100.1A)      | 100.1Ah                                                        |
| Internal Resistance                               | Full Charged Battery 25°C | ≤1.5mΩ                                                         |
| Capacity affected by<br>Temperature<br>(10 hour ) | 40°C (104°F)              | 102%                                                           |
|                                                   | 25°C (77°F)               | 100%                                                           |
|                                                   | -20°C (-4°F)              | 82%                                                            |
|                                                   | -35°C (-31°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 36.4A<br>Voltage 2.24-2.28V |
|                                                   | Cycle                     | Initial Charging Current Less than 36.4A<br>Voltage 2.33-2.37V |

## Packaging

|                       |              |              |
|-----------------------|--------------|--------------|
| Battery<br>Dimensions | Length       | 171mm        |
|                       | Width        | 102mm        |
|                       | Height       | 206mm        |
|                       | Total Height | 230mm        |
| Box<br>Dimensions     | Length       | 224mm        |
|                       | Width        | 187mm        |
|                       | Height       | 261mm        |
| Quantity Per Box      |              | 2 PC per box |
| Net weight Per Cell   |              | 10.5 kg±200g |
| Net weight Per Box    |              | 21kg         |
| Gross Weight          |              | 21.50kg      |

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

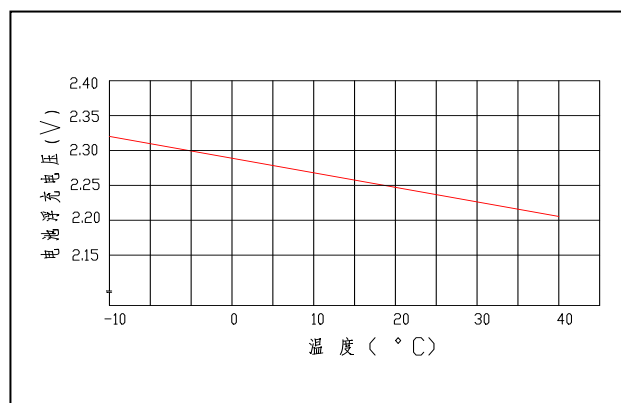
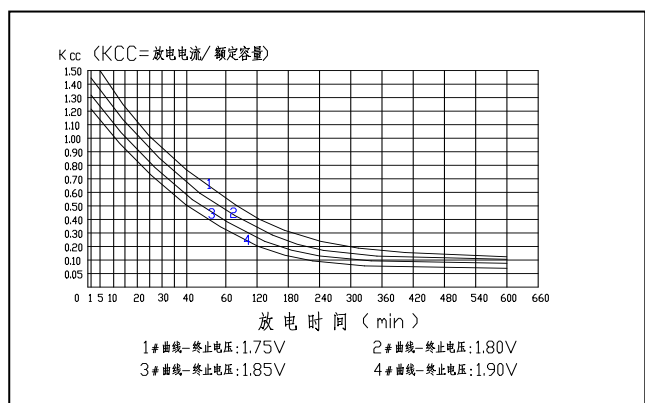
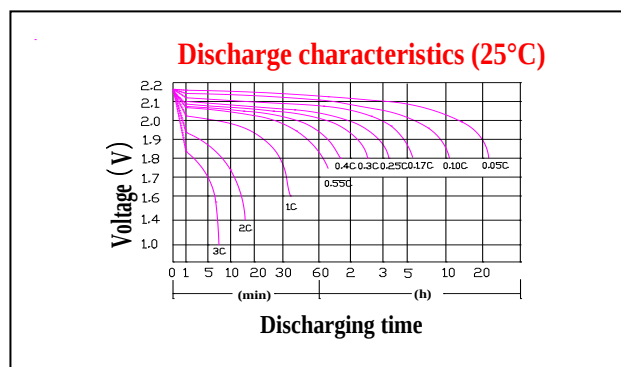
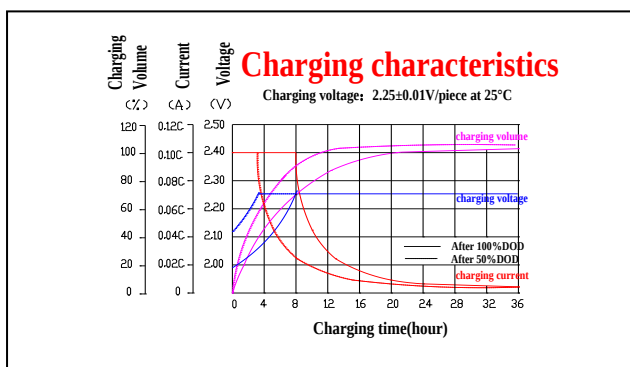
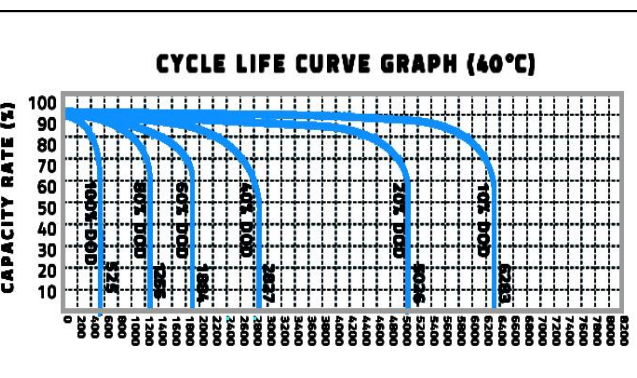
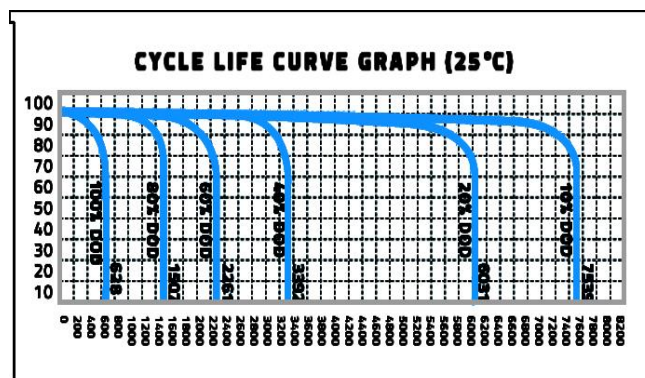
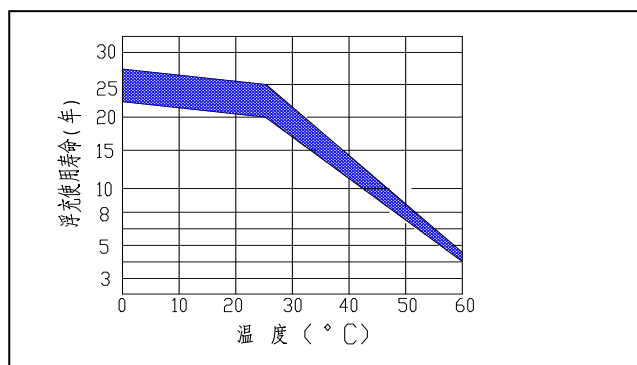
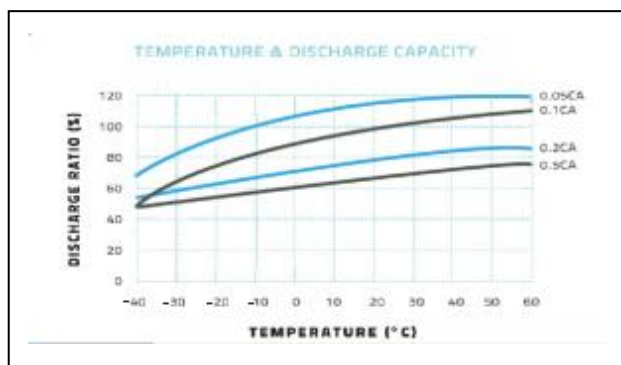
| F.V/Time | 5min  | 10min | 15min | 30min | 45min | 1h    | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1.60V    | 526.0 | 338.2 | 281.7 | 187.8 | 134.7 | 116.1 | 51.3 | 50.1 | 34.0 | 22.4 | 20.0 | 10.6 |
| 1.65V    | 516.3 | 332.0 | 276.6 | 184.4 | 132.3 | 113.9 | 50.2 | 49.1 | 33.5 | 22.0 | 19.7 | 10.4 |
| 1.70V    | 506.9 | 325.8 | 271.4 | 180.9 | 129.8 | 111.9 | 49.3 | 48.2 | 32.8 | 21.7 | 19.3 | 10.2 |
| 1.75V    | 497.2 | 319.8 | 266.3 | 177.6 | 127.4 | 109.7 | 48.4 | 47.3 | 32.2 | 21.1 | 18.9 | 10.0 |
| 1.80V    | 478.1 | 307.4 | 256.1 | 170.7 | 122.5 | 105.6 | 46.6 | 45.5 | 30.9 | 20.4 | 18.2 | 9.6  |

### 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    | 1012.5 | 650.8 | 542.2 | 361.5 | 259.4 | 223.5 | 98.6 | 96.3 | 65.5 | 43.1 | 38.6 | 20.4 |
| 1.65V    | 994.1  | 639.0 | 532.4 | 354.9 | 254.6 | 219.5 | 96.8 | 94.6 | 64.2 | 42.4 | 37.9 | 20.0 |
| 1.70V    | 975.5  | 627.2 | 522.5 | 348.3 | 249.9 | 215.3 | 95.0 | 92.8 | 63.2 | 41.7 | 37.1 | 19.7 |
| 1.75V    | 957.1  | 615.3 | 512.7 | 341.8 | 245.2 | 211.3 | 93.4 | 91.2 | 61.9 | 40.8 | 36.4 | 19.3 |
| 1.80V    | 920.4  | 591.7 | 492.9 | 328.7 | 235.9 | 203.3 | 89.7 | 87.5 | 59.5 | 39.3 | 35.1 | 18.6 |

**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 | Lead        |

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