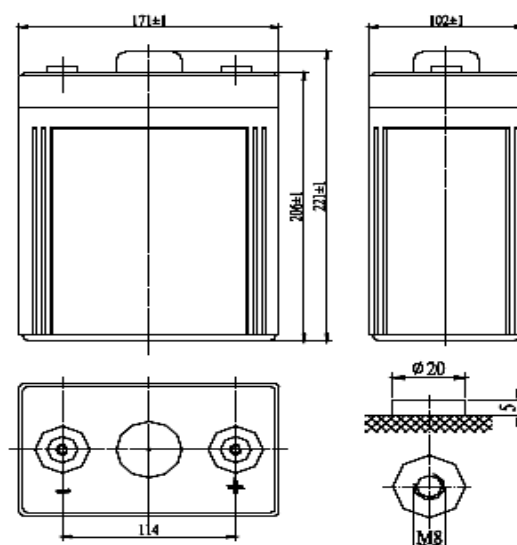


## Product Image



## Product Dimensions



## Characteristics

|                                                    |                           |                                                                |
|----------------------------------------------------|---------------------------|----------------------------------------------------------------|
| Nominal Voltage                                    |                           | 2V                                                             |
| Nominal Capacity (10 hour rate)                    |                           | 150Ah                                                          |
| Capacity<br>25°C (77 °F)                           | 20 hour rate (7.95A)      | 159Ah                                                          |
|                                                    | 5 hour rate (26.5A)       | 132.5Ah                                                        |
|                                                    | 1 hour rate (82.5A)       | 82.5Ah                                                         |
| 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%                                                           |
|                                                    | 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 22.5A<br>Voltage 2.24-2.28V |
|                                                    | Cycle                     | Initial Charging Current Less than 22.5A<br>Voltage 2.33-2.37V |

## Packaging

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 171mm        |
|                       | Width           | 102mm        |
|                       | Height          | 206mm        |
|                       | Total<br>Height | 230mm        |
| Box<br>Dimensions     | Length          | 224mm        |
|                       | Width           | 187mm        |
|                       | Height          | 261mm        |
| Quantity Per Box      |                 | 2 PC per box |
| Net weight Per Cell   |                 | 8.8 kg ±200g |
| Net weight Per Box    |                 | 17.6kg       |
| Gross Weight          |                 | 18.0kg       |

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

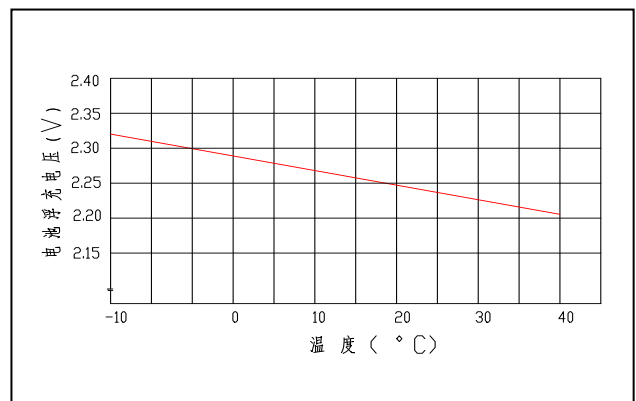
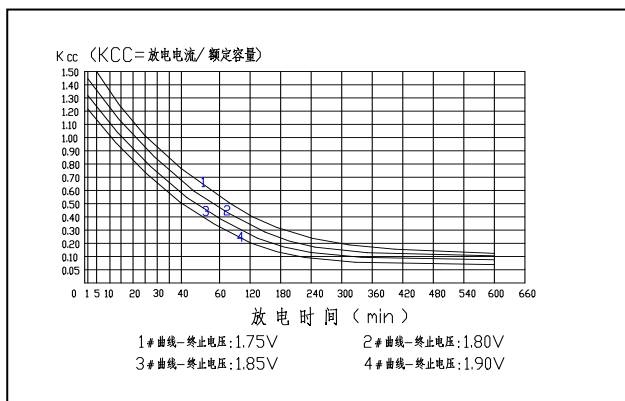
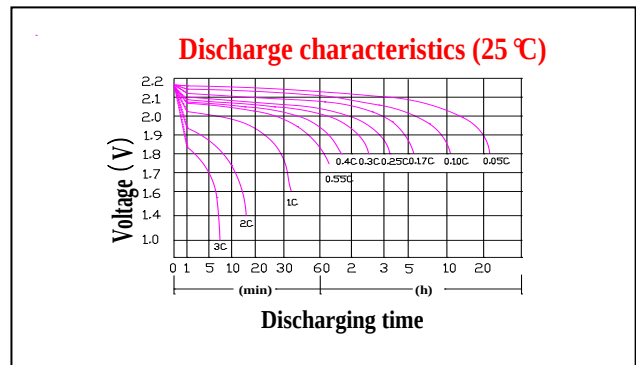
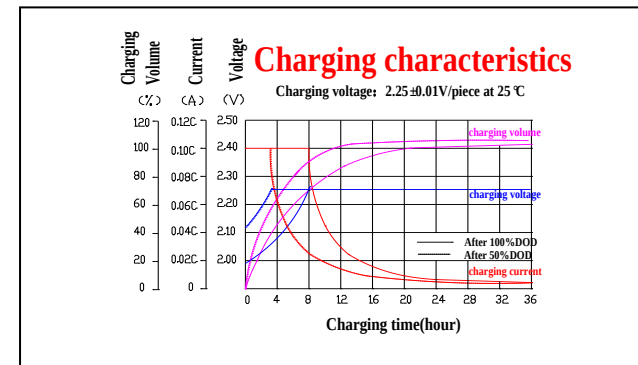
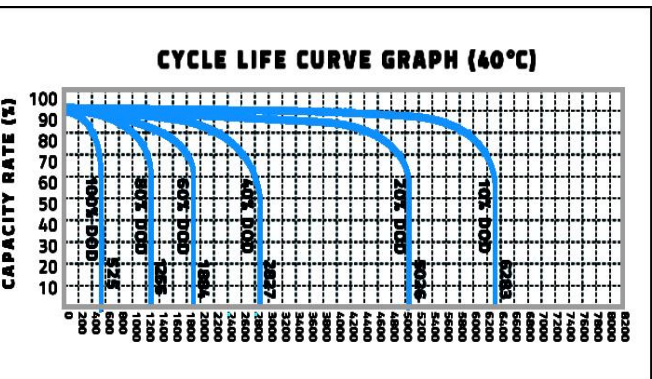
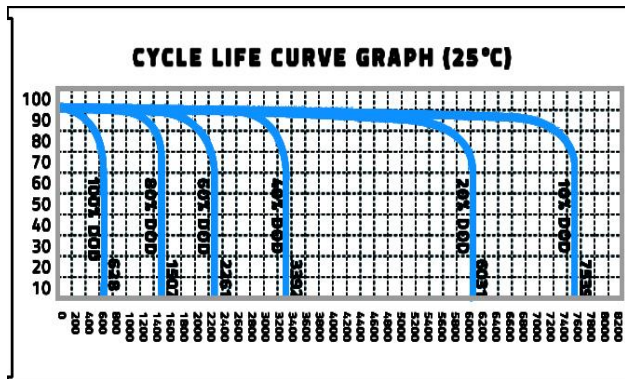
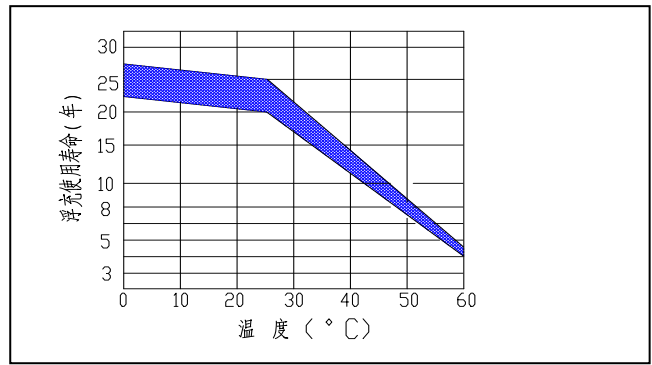
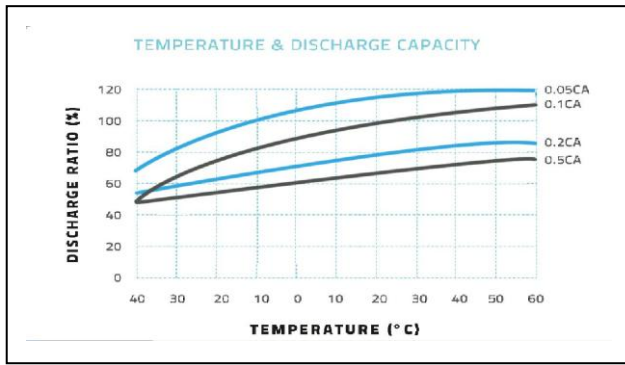
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h  | 20h |
|----------|------|-------|-------|-------|-------|----|----|----|----|----|------|-----|
| 1.60V    | 419  | 271   | 224   | 149   | 111   | 91 | 58 | 41 | 28 | 18 | 16.5 | 8.7 |
| 1.65V    | 411  | 266   | 220   | 146   | 109   | 89 | 57 | 41 | 28 | 18 | 16.2 | 8.6 |
| 1.70V    | 404  | 261   | 216   | 143   | 107   | 87 | 56 | 40 | 27 | 18 | 15.9 | 8.4 |
| 1.75V    | 396  | 256   | 212   | 140   | 105   | 86 | 55 | 39 | 27 | 17 | 15.6 | 8.3 |
| 1.80V    | 381  | 246   | 204   | 135   | 101   | 83 | 53 | 38 | 26 | 17 | 15.0 | 8.0 |

### 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    | 807  | 521   | 432   | 286   | 213   | 175 | 111 | 79 | 54 | 36 | 31.8 | 16.8 |
| 1.65V    | 792  | 511   | 424   | 281   | 209   | 172 | 109 | 78 | 53 | 35 | 31.2 | 16.5 |
| 1.70V    | 777  | 502   | 416   | 275   | 205   | 168 | 107 | 77 | 52 | 34 | 30.6 | 16.2 |
| 1.75V    | 763  | 492   | 408   | 270   | 201   | 165 | 105 | 75 | 51 | 34 | 30.0 | 15.9 |
| 1.80V    | 733  | 474   | 393   | 260   | 193   | 159 | 101 | 72 | 49 | 32 | 28.9 | 15.3 |

**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        |