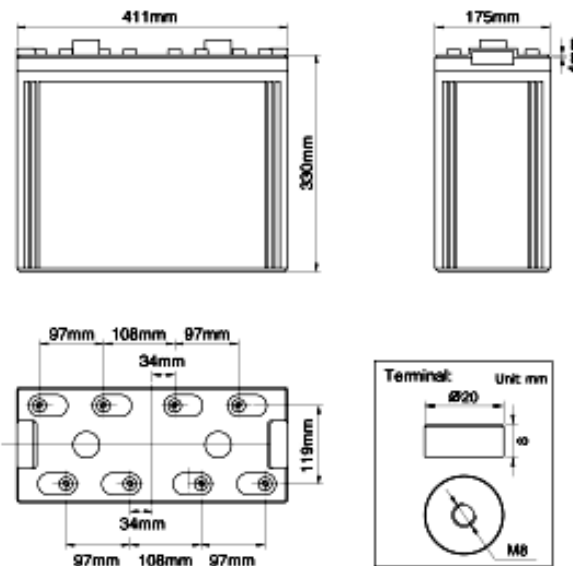


### Product Image



### Product Dimensions



### Characteristics

|   |                           |   |
|---|---------------------------|---|
| Nominal Voltage                                   |                           | 2V  |
| Nominal Capacity (10 hour rate)                   |                           | 800Ah   |
| Capacity<br>25°C (77°F)                           | 20 hour rate (42.4A)      | 848Ah   |
|   | 5 hour rate (141.3A)      | 706.5Ah   |
|   | 1 hour rate (440A)        | 440Ah   |
| Internal Resistance                               | Full Charged Battery 25°C | ≤0.26mΩ   |
| 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 160A<br>Voltage 2.23-2.27V |
|   | Cycle                     | Initial Charging Current Less than 160A<br>Voltage 2.33-2.37V |

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 411mm        |
|                       | Width           | 175mm        |
|                       | Height          | 330mm        |
|                       | Total<br>Height | 365mm        |
| Box<br>Dimensions     | Length          | 425mm        |
|                       | Width           | 189mm        |
|                       | Height          | 422mm        |
| Quantity Per Box      |                 | 1 PC per box |
| Net weight Per Cell   |                 | 53 kg±3%     |
| Net weight Per Box    |                 | 53.6kg       |
| Gross Weight          |                 | 55kg         |

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

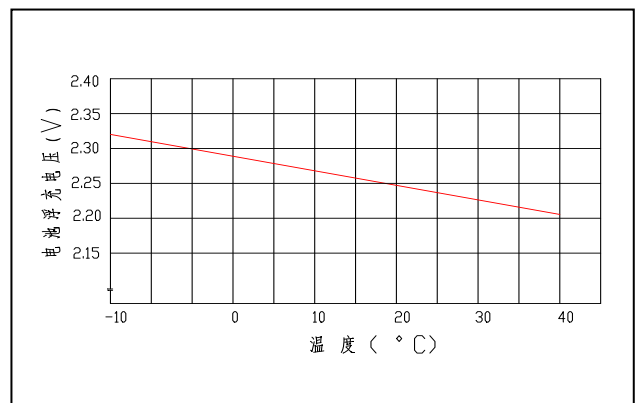
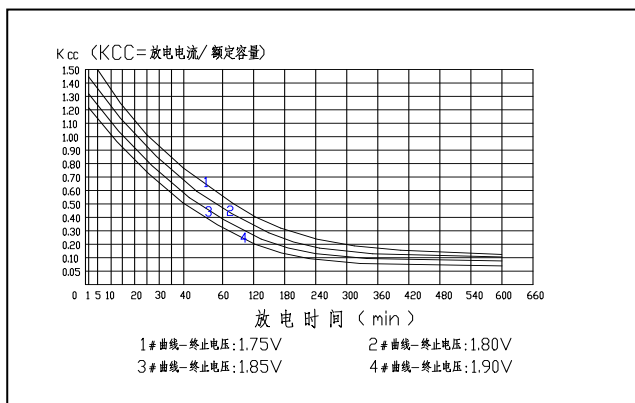
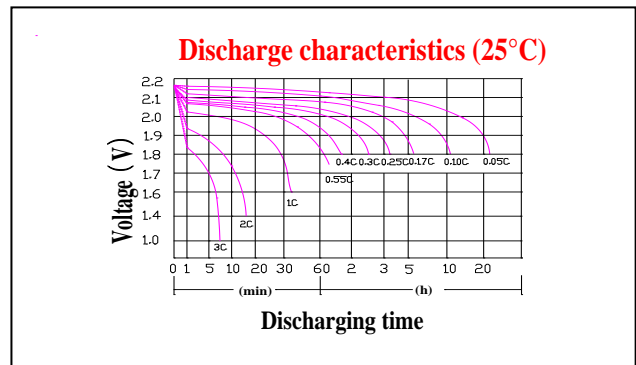
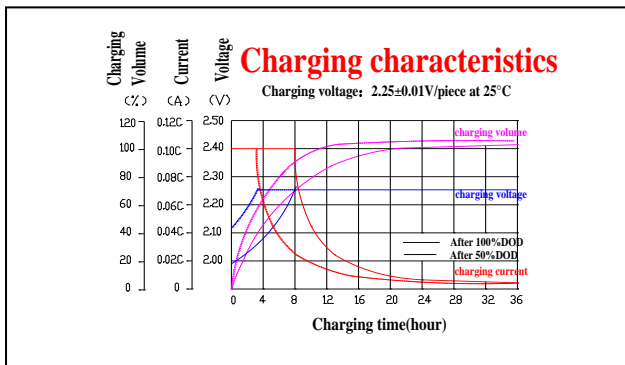
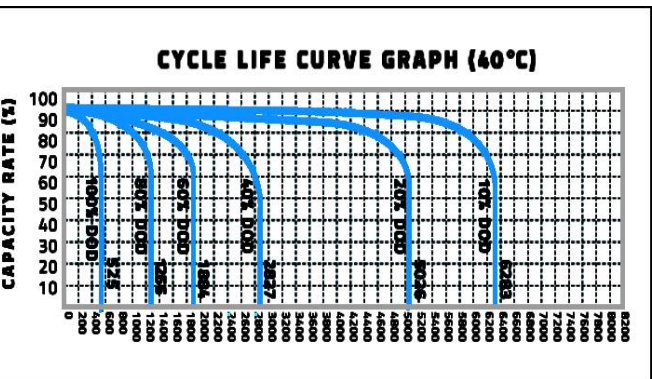
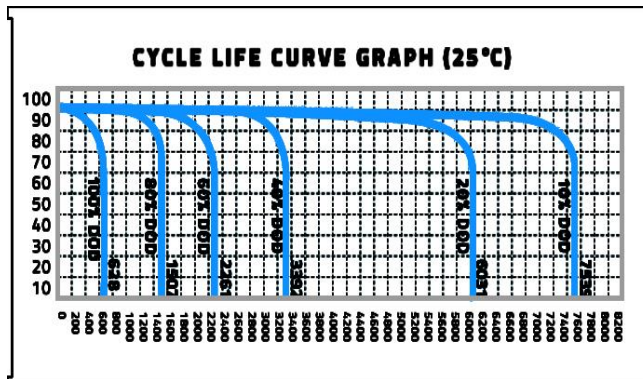
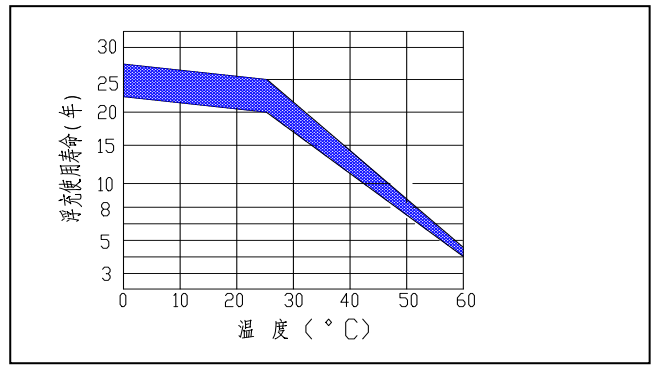
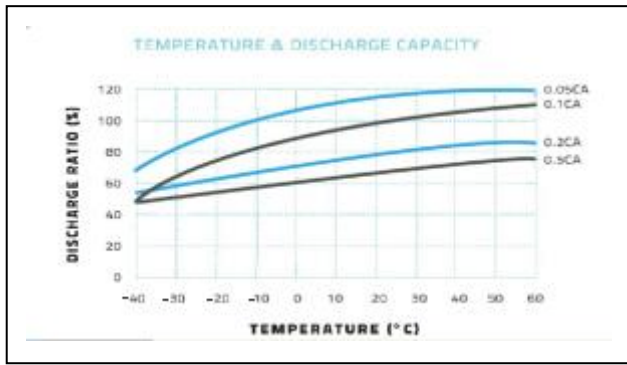
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h  | 2h  | 3h  | 5h  | 8h | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|-----|-----|-----|-----|----|------|------|
| 1.60V    | 2235 | 1443  | 1197  | 792   | 590   | 484 | 308 | 220 | 150 | 99 | 88.0 | 46.6 |
| 1.65V    | 2195 | 1417  | 1175  | 778   | 579   | 475 | 302 | 216 | 147 | 97 | 86.4 | 45.8 |
| 1.70V    | 2154 | 1391  | 1153  | 763   | 568   | 466 | 297 | 212 | 144 | 95 | 84.8 | 44.9 |
| 1.75V    | 2113 | 1364  | 1132  | 749   | 557   | 458 | 291 | 208 | 141 | 93 | 83.2 | 44.1 |
| 1.80V    | 2032 | 1312  | 1088  | 720   | 536   | 440 | 280 | 200 | 136 | 90 | 80.0 | 42.4 |

#### Discharge Constant Power (Watts at 77°F 25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h  | 2h  | 3h  | 5h  | 8h  | 10h   | 20h  |
|----------|------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|------|
| 1.60V    | 4303 | 2778  | 2304  | 1525  | 1135  | 932 | 593 | 424 | 288 | 190 | 169.4 | 89.8 |
| 1.65V    | 4225 | 2728  | 2262  | 1497  | 1114  | 915 | 582 | 416 | 283 | 186 | 166.3 | 88.1 |
| 1.70V    | 4146 | 2677  | 2220  | 1469  | 1094  | 898 | 571 | 408 | 278 | 183 | 163.2 | 86.5 |
| 1.75V    | 4068 | 2627  | 2178  | 1441  | 1073  | 881 | 561 | 400 | 272 | 179 | 160.2 | 84.9 |
| 1.80V    | 3912 | 2526  | 2094  | 1386  | 1032  | 847 | 539 | 385 | 262 | 172 | 154.0 | 81.6 |

**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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