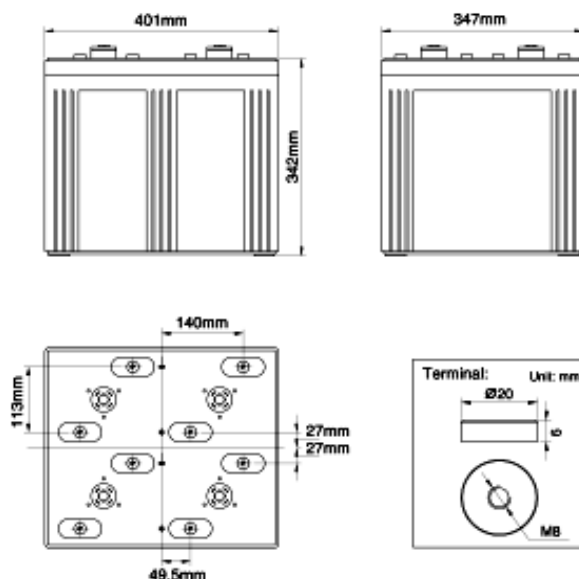


**Product Image**



**Product Dimensions**



**Characteristics**

|  |                            |   |
|--|----------------------------|---|
| Nominal Voltage                                    |                            | 2V  |
| Nominal Capacity (10 hour rate)                    |                            | 1500Ah  |
| Capacity<br>25°C (77 °F)                           | 20 hour rate (79.5A)       | 1590Ah  |
|  | 5 hour rate (265.2A)       | 1326Ah  |
|  | 1 hour rate (825A)         | 825Ah   |
| Internal Resistance                                | Full Charged Battery 25 °C | ≤0.13mΩ   |
| 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 225A<br>Voltage 2.23-2.27V |
|  | Cycle                      | Initial Charging Current Less than 225A<br>Voltage 2.33-2.37V |

**Packaging**

|                       |              |              |
|-----------------------|--------------|--------------|
| Battery<br>Dimensions | Length       | 401mm        |
|                       | Width        | 347mm        |
|                       | Height       | 342mm        |
|                       | Total Height | 378mm        |
| Box<br>Dimensions     | Length       | 892mm        |
|                       | Width        | 420mm        |
|                       | Height       | 513mm        |
| Quantity Per Box      |              | 2 PC per box |
| Net weight Per Cell   |              | 83kg±1000g   |
| Net weight Per Box    |              | 166kg        |
| Gross Weight          |              | 166.4kg      |

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

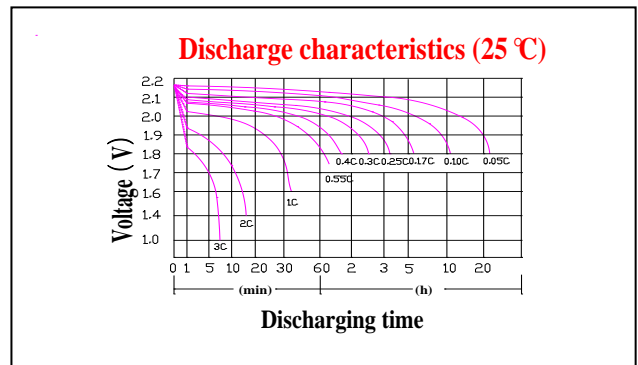
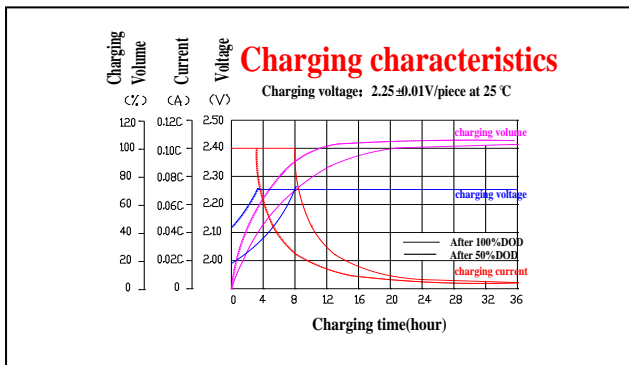
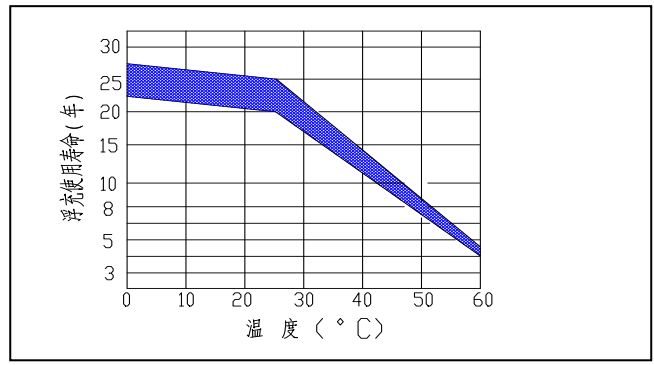
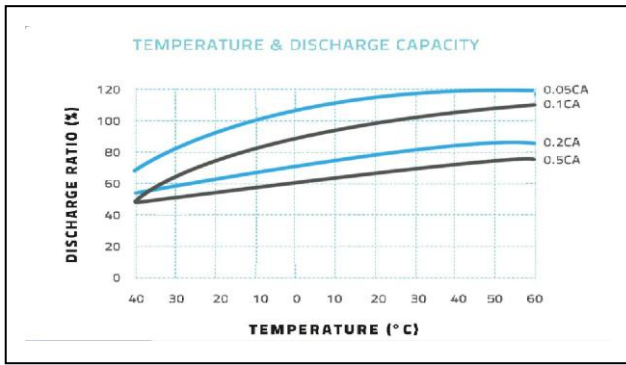
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h  | 2h  | 3h  | 5h  | 8h  | 10h   | 20h  |
|----------|------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|------|
| 1.60V    | 4191 | 2706  | 2244  | 1485  | 1106  | 908 | 578 | 413 | 281 | 185 | 165.0 | 87.5 |
| 1.65V    | 4115 | 2657  | 2203  | 1458  | 1085  | 891 | 567 | 405 | 275 | 181 | 162.0 | 85.9 |
| 1.70V    | 4039 | 2608  | 2162  | 1431  | 1065  | 875 | 557 | 398 | 270 | 178 | 159.0 | 84.3 |
| 1.75V    | 3962 | 2558  | 2122  | 1404  | 1045  | 858 | 546 | 390 | 265 | 175 | 156.0 | 82.7 |
| 1.80V    | 3810 | 2460  | 2040  | 1350  | 1005  | 825 | 525 | 375 | 255 | 168 | 150.0 | 79.5 |

**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    | 8068 | 5209  | 4320  | 2859  | 2128  | 1747 | 1112 | 794 | 540 | 356 | 317.6 | 168.3 |
| 1.65V    | 7921 | 5114  | 4241  | 2807  | 2089  | 1715 | 1091 | 780 | 530 | 349 | 311.9 | 165.3 |
| 1.70V    | 7774 | 5020  | 4163  | 2755  | 2051  | 1683 | 1071 | 765 | 520 | 343 | 306.1 | 162.2 |
| 1.75V    | 7628 | 4925  | 4084  | 2703  | 2012  | 1652 | 1051 | 751 | 511 | 336 | 300.3 | 159.2 |
| 1.80V    | 7334 | 4736  | 3927  | 2599  | 1935  | 1588 | 1011 | 722 | 491 | 323 | 288.8 | 153.0 |

**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 **CTD** 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        |