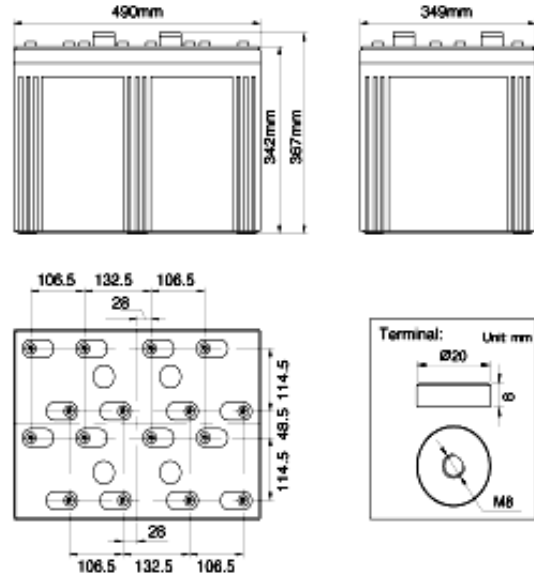


**Product Image**



**Product Dimensions**



**Characteristics**

|  |                           |   |
|--|---------------------------|---|
| Nominal Voltage                                    |                           | 2V  |
| Nominal Capacity (10 hour rate)                    |                           | 2200Ah  |
| Capacity<br>25°C (77 °F)                           | 20 hour rate (116.6A)     | 2332Ah  |
|  | 5 hour rate (388.7A)      | 1942.6Ah  |
|  | 1 hour rate (1210A)       | 1210Ah  |
| Internal Resistance                                | Full Charged Battery 25°C | ≤0.12mΩ   |
| 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 300A<br>Voltage 2.23-2.27V |
|  | Cycle                     | Initial Charging Current Less than 300A<br>Voltage 2.33-2.37V |

**Packaging**

|                       |                 |              |
|-----------------------|-----------------|--------------|
| Battery<br>Dimensions | Length          | 491mm        |
|                       | Width           | 351mm        |
|                       | Height          | 343mm        |
|                       | Total<br>Height | 383mm        |
| Box<br>Dimensions     | Length          | 1070mm       |
|                       | Width           | 420mm        |
|                       | Height          | 518mm        |
| Quantity Per Box      |                 | 2 PC per box |
| Net weight Per Cell   |                 | 130 kg±3%    |
| Net weight Per Box    |                 | 260kg        |
| Gross Weight          |                 | 280kg        |

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

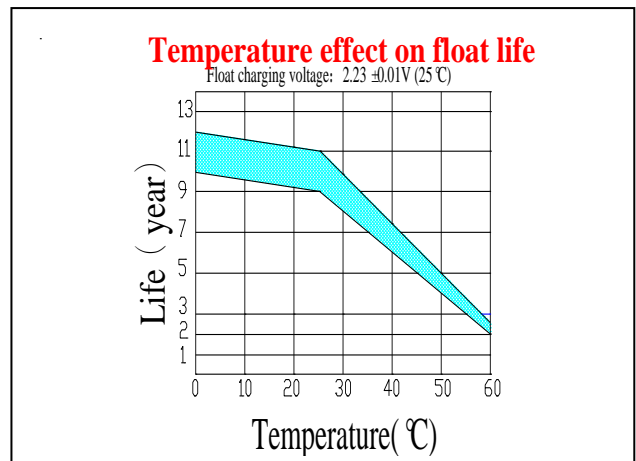
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h   | 2h  | 3h  | 5h  | 8h  | 10h   | 20h   |
|----------|------|-------|-------|-------|-------|------|-----|-----|-----|-----|-------|-------|
| 1.60V    | 5588 | 3608  | 2992  | 1980  | 1474  | 1210 | 770 | 550 | 374 | 246 | 220.0 | 116.6 |
| 1.65V    | 5486 | 3542  | 2938  | 1944  | 1447  | 1188 | 756 | 540 | 367 | 242 | 216.0 | 114.5 |
| 1.70V    | 5385 | 3477  | 2883  | 1908  | 1420  | 1166 | 742 | 530 | 360 | 237 | 212.0 | 112.4 |
| 1.75V    | 5283 | 3411  | 2829  | 1872  | 1394  | 1144 | 728 | 520 | 354 | 233 | 208.0 | 110.2 |
| 1.80V    | 5080 | 3280  | 2720  | 1800  | 1340  | 1100 | 700 | 500 | 340 | 224 | 200.0 | 106.0 |

**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    | 10757 | 6945  | 5760  | 3812  | 2837  | 2329 | 1482 | 1059 | 720 | 474 | 423.5 | 224.5 |
| 1.65V    | 10561 | 6819  | 5655  | 3742  | 2786  | 2287 | 1455 | 1040 | 707 | 466 | 415.8 | 220.4 |
| 1.70V    | 10366 | 6693  | 5550  | 3673  | 2734  | 2245 | 1428 | 1020 | 694 | 457 | 408.1 | 216.3 |
| 1.75V    | 10170 | 6567  | 5445  | 3604  | 2683  | 2202 | 1401 | 1001 | 681 | 448 | 400.4 | 212.2 |
| 1.80V    | 9779  | 6314  | 5236  | 3465  | 2580  | 2118 | 1348 | 963  | 655 | 431 | 385.0 | 204.1 |

**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    | Lead     | Fiberglass | Sulfuric acid |