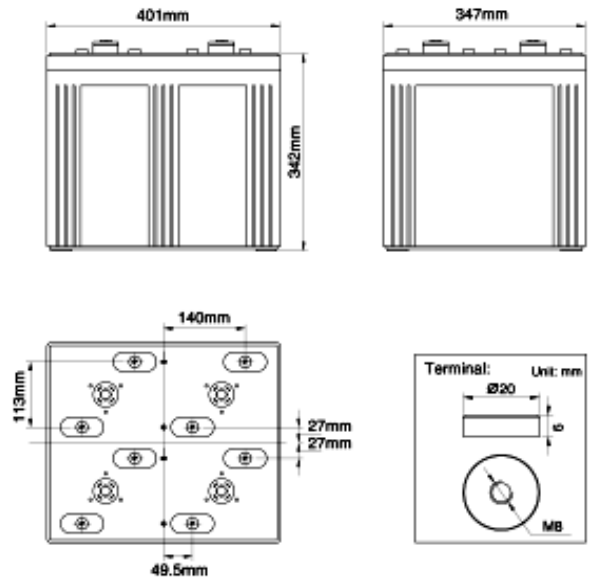


Product Image



Product Dimensions



Characteristics

| | | |
|--|---------------------------|---|
| Nominal Voltage | | 2V |
| Nominal Capacity (10 hour rate) | | 1400Ah |
| Capacity 25°C (77 °F) | 20 hour rate (74.2A) | 1484Ah |
| | 5 hour rate (247.4A) | 1236.2Ah |
| | 1 hour rate (770A) | 770Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤0.13mΩ |
| Capacity affected by Temperature (10 hour) | 40°C (104 °F) | 102% |
| | 25°C (77 °F) | 100% |
| | 0°C (32 °F) | 85% |
| | -15°C (5 °F) | 65% |
| Self-Discharge 25°C (77 °F) Capacity | after 3 month storage | 90% |
| | after 6 month storage | 80% |
| | after 12 month storage | 62% |
| Charge (Constant Voltage) 25°C (77 °F) | Float | Initial Charging Current Less than 225A Voltage 2.23-2.27V |
| | Cycle | Initial Charging Current Less than 225A Voltage 2.33-2.37V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 401mm |
| | Width | 347mm |
| | Height | 342mm |
| | Total Height | 378mm |
| Box Dimensions | Length | 892mm |
| | Width | 420mm |
| | Height | 513mm |
| Quantity Per Box | | 2 PC per box |
| Net weight Per Cell | | 75 kg±1000g |
| Net weight Per Box | | 150kg |
| Gross Weight | | 155kg |

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

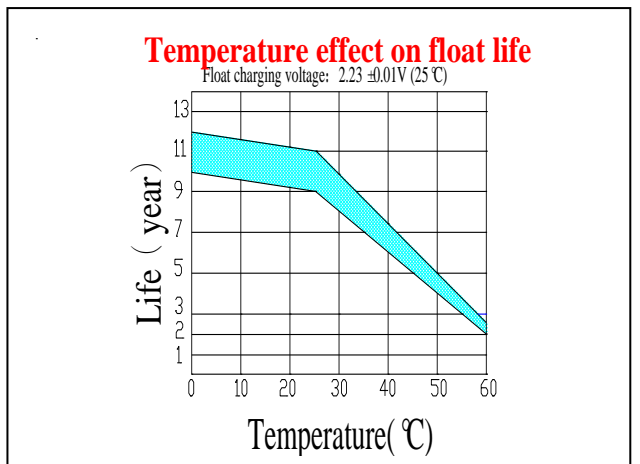
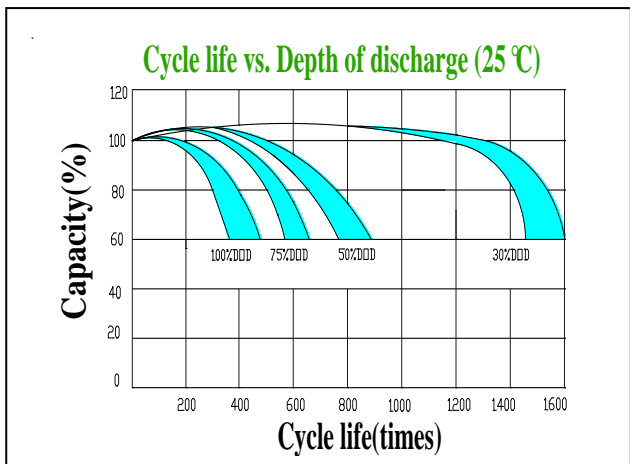
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|------|
| 1.60V | 3912 | 2526 | 2094 | 1386 | 1032 | 847 | 539 | 385 | 262 | 172 | 154.0 | 81.6 |
| 1.65V | 3840 | 2480 | 2056 | 1361 | 1013 | 832 | 529 | 378 | 257 | 169 | 151.2 | 80.1 |
| 1.70V | 3769 | 2434 | 2018 | 1336 | 994 | 816 | 519 | 371 | 252 | 166 | 148.4 | 78.7 |
| 1.75V | 3698 | 2388 | 1980 | 1310 | 976 | 801 | 510 | 364 | 248 | 163 | 145.6 | 77.2 |
| 1.80V | 3556 | 2296 | 1904 | 1260 | 938 | 770 | 490 | 350 | 238 | 157 | 140.0 | 74.2 |

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 | 7530 | 4862 | 4032 | 2668 | 1986 | 1630 | 1038 | 741 | 504 | 332 | 296.5 | 157.1 |
| 1.65V | 7393 | 4773 | 3958 | 2620 | 1950 | 1601 | 1019 | 728 | 495 | 326 | 291.1 | 154.3 |
| 1.70V | 7256 | 4685 | 3885 | 2571 | 1914 | 1571 | 1000 | 714 | 486 | 320 | 285.7 | 151.4 |
| 1.75V | 7119 | 4597 | 3812 | 2523 | 1878 | 1542 | 981 | 701 | 476 | 314 | 280.3 | 148.5 |
| 1.80V | 6845 | 4420 | 3665 | 2426 | 1806 | 1482 | 943 | 674 | 458 | 302 | 269.5 | 142.8 |

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 | Colloid(GEL) |