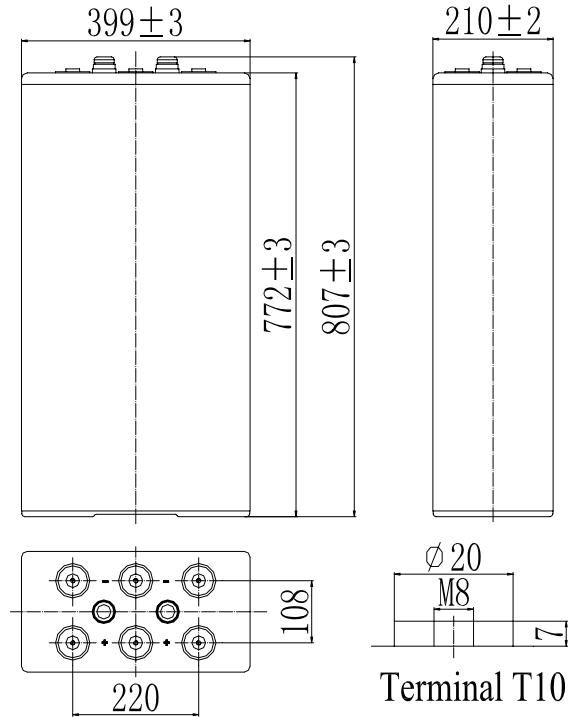


Specifications

| | | |
|---|--------------|--|
| Nominal Voltage | | 2 V |
| Capacity (25°C) | 10HR(1.80V) | 2000 Ah |
| | 3HR(1.75V) | 1530Ah |
| | 1HR(1.75V) | 1129Ah |
| Dimension | Length | 399 ± 3mm (15.7inch) |
| | Width | 210 ± 2mm (8.27inch) |
| | Height | 772 ± 3mm (30.39inch) |
| | Total Height | 807 ± 3mm (31.77inch) |
| Approx. Weight | | 148kg (326.3lbs) ± 3% |
| Terminal type | | T10 |
| Internal resistance (Fully charged, 25°C) | | Approx. 0.18m Ω |
| Capacity affected by temperature (10HR) | 40°C | 102% |
| | 25°C | 100% |
| | 0°C | 85% |
| | -15°C | 65% |
| Self-discharge (25°C) | 3 month | Remaining Capacity: 91% |
| | 6 month | Remaining Capacity: 82% |
| | 12 month | Remaining Capacity: 65% |
| Nominal operating temperature | | 25°C ± 3°C (77°F ± 5°F) |
| Operating temperature range | Discharge | -15°C ~ 50°C (5°F ~ 122°F) |
| | Charge | -10°C ~ 50°C (14°F ~ 122°F) |
| | Storage | -20°C ~ 50°C (-4°F ~ 122°F) |
| Float charging voltage(25°C) | | 2.25 to 2.30V Temperature compensation: -3mV/°C |
| Cyclic charging voltage(25°C) | | 2.42 to 2.48V Temperature compensation: -5mV/°C |
| Maximum charging current | | 400A |
| Terminal material | | Copper |
| Maximum discharge current | | 11000A(5 sec.) |
| Designed floating life(20°C) | | 20 years |

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Dimensions



Terminal T10

Constant Current Discharge Characteristics (A, 25°C)

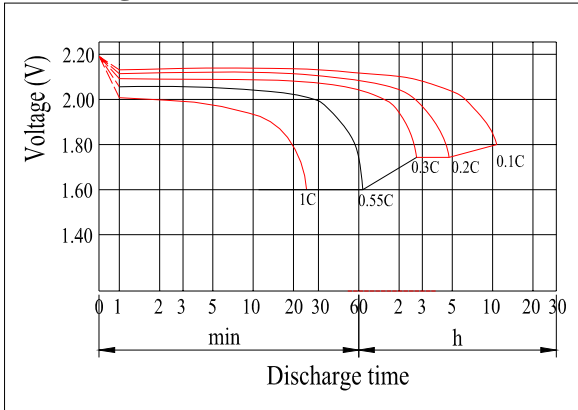
| F.V/TIME | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h | 24h |
|----------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1.60V | 1800 | 1200 | 731 | 520 | 418 | 363 | 312 | 245 | 204 | 107 | 92.6 |
| 1.65V | 1764 | 1182 | 726 | 517 | 416 | 361 | 310 | 243 | 203 | 107 | 92.5 |
| 1.70V | 1710 | 1152 | 720 | 514 | 413 | 358 | 308 | 242 | 203 | 106 | 92.2 |
| 1.75V | 1669 | 1129 | 709 | 510 | 410 | 356 | 306 | 240 | 201 | 106 | 91.6 |
| 1.80V | 1607 | 1094 | 691 | 495 | 398 | 345 | 297 | 233 | 200 | 105 | 91.0 |

Constant Power Discharge Characteristics (Watt, 25°C)

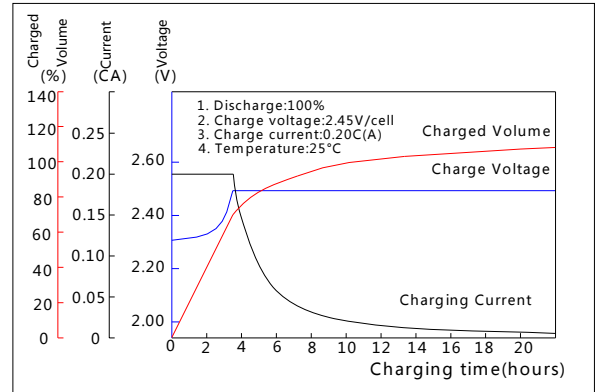
| F.V/TIME | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h | 24h |
|----------|-------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 1.60V | 3366 | 2280 | 1410 | 1020 | 820 | 715 | 615 | 487 | 405 | 214 | 186 |
| 1.65V | 3299 | 2246 | 1402 | 1014 | 815 | 711 | 611 | 484 | 404 | 213 | 186 |
| 1.70V | 3198 | 2189 | 1390 | 1007 | 809 | 706 | 607 | 481 | 403 | 213 | 185 |
| 1.75V | 3120 | 2145 | 1369 | 1000 | 804 | 701 | 603 | 478 | 401 | 211 | 184 |
| 1.80V | 3006 | 2079 | 1334 | 970 | 779 | 680 | 585 | 463 | 398 | 210 | 183 |

Note: The above characteristics data can be obtained within three charge/discharge cycles.

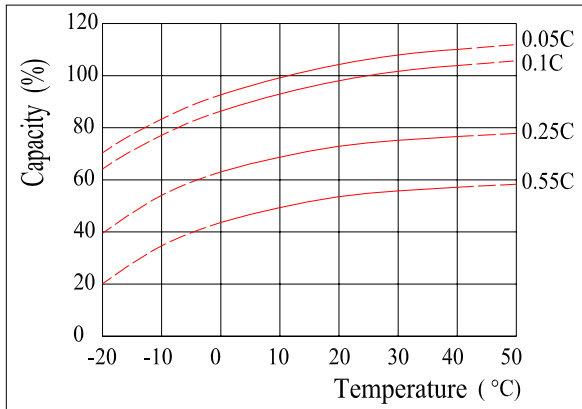
Discharge Characteristics(25°C)



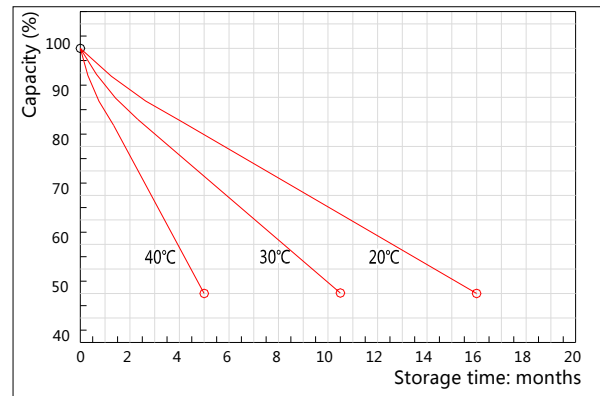
Charging Characteristics(25°C)



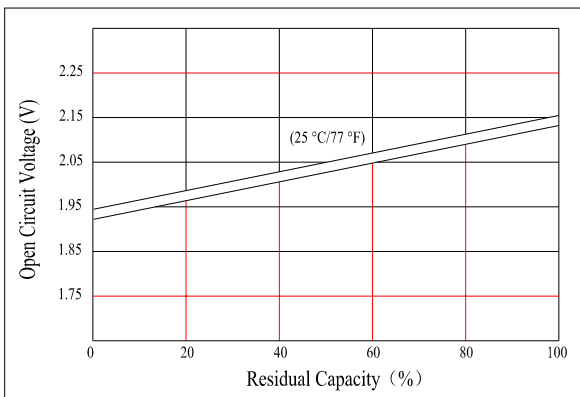
Effect of Temperature on Capacity



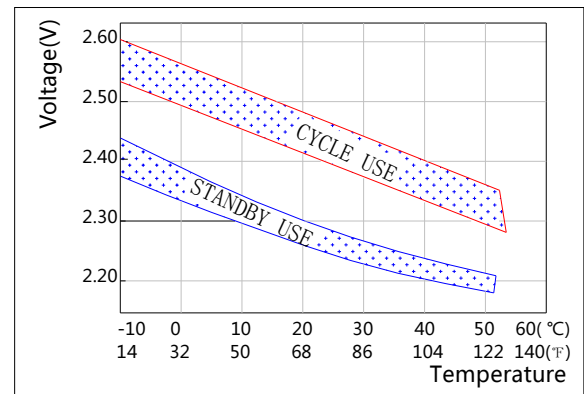
Self-discharge Characteristics



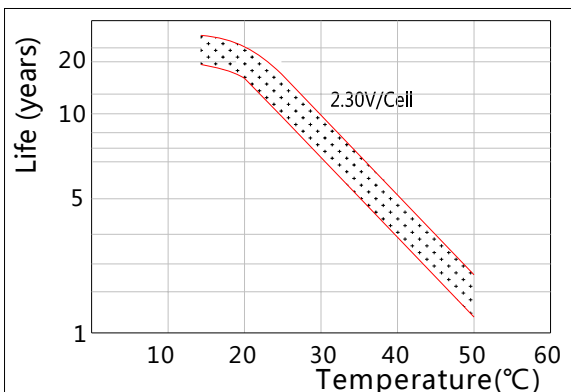
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

