

Specifications

| | | |
|-------------------------------------------|--------------|----------------------------------------------------|
| Nominal Voltage | | 2 V |
| Capacity (25°C) | 10HR(1.80V) | 1000 Ah |
| | 3HR(1.75V) | 750Ah |
| | 1HR(1.60V) | 569Ah |
| Dimension | Length | 233 ± 2mm (9.17inch) |
| | Width | 210 ± 2mm (8.27inch) |
| | Height | 646 ± 3mm (25.43inch) |
| | Total Height | 681 ± 3mm (26.81inch) |
| Approx. Weight | | 71kg (156.2lbs) ± 3% |
| Terminal type | | T10 |
| Internal resistance (Fully charged, 25°C) | | Approx. 0.33m Ω |
| Capacity affected by temperature (10HR) | 40°C | 103% |
| | 25°C | 100% |
| | 0°C | 88% |
| | -15°C | 70% |
| Self-discharge (25°C) | 3 month | Remaining Capacity: 94% |
| | 6 month | Remaining Capacity: 88% |
| | 12 month | Remaining Capacity: 75% |
| Nominal operating temperature | | 25°C ± 3°C (77°F ± 5°F) |
| Operating temperature range | Discharge | -15°C ~ 55°C (5°F ~ 131°F) |
| | Charge | -10°C ~ 55°C (14°F ~ 131°F) |
| | Storage | -20°C ~ 55°C (-4°F ~ 131°F) |
| Float charging voltage(25°C) | | 2.25 to 2.30V Temperature compensation: -3mV/°C |
| Cyclic charging voltage(25°C) | | 2.35 to 2.40V Temperature compensation: -5mV/°C |
| Maximum charging current | | 200A |
| Terminal material | | Copper |
| Maximum discharge current | | 5000A(5 sec.) |
| Designed floating life(20°C) | | 20 years |

- ◆ Gelled electrolyte technology;
- ◆ PVC separator;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

| F.V/TIME | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h | 48h | 120h |
|----------|-------|-------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1.60V | 800 | 569 | 350 | 256 | 206 | 180 | 155 | 121 | 102 | 53.9 | --- | --- |
| 1.65V | 789 | 559 | 350 | 256 | 204 | 179 | 154 | 121 | 102 | 53.9 | -- | -- |
| 1.70V | 769 | 540 | 349 | 251 | 201 | 176 | 153 | 120 | 101 | 53.0 | 24.4 | --- |
| 1.75V | 750 | 530 | 340 | 250 | 201 | 176 | 151 | 119 | 101 | 53.0 | 24.4 | 10.1 |
| 1.80V | 730 | 510 | 331 | 241 | 195 | 171 | 146 | 115 | 100 | 52.9 | 24.1 | 10.0 |

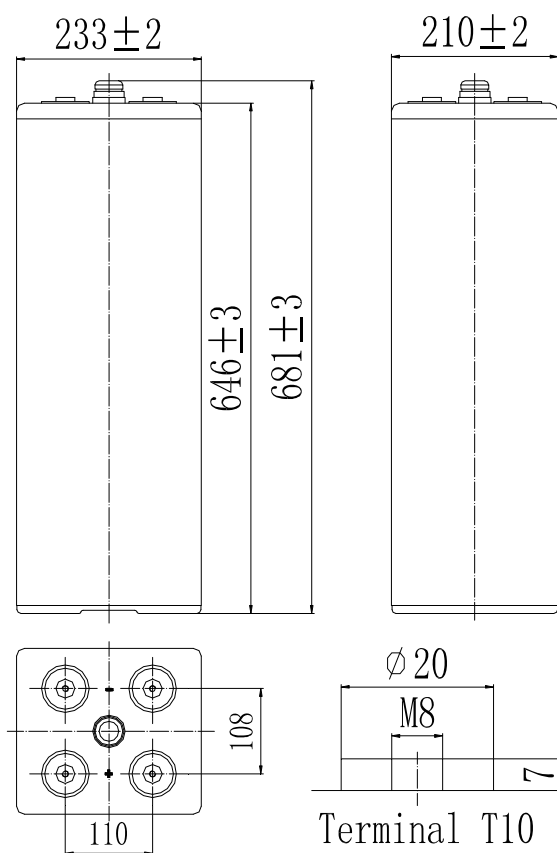
Constant Power Discharge Characteristics (Watt, 25°C)

| F.V/TIME | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h | 48h | 120h |
|----------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 1.60V | 1499 | 1070 | 679 | 500 | 401 | 351 | 306 | 241 | 204 | 107 | --- | --- |
| 1.65V | 1469 | 1059 | 670 | 499 | 400 | 351 | 301 | 240 | 201 | 107 | -- | -- |
| 1.70V | 1440 | 1029 | 669 | 490 | 399 | 350 | 300 | 239 | 201 | 106 | 49.9 | --- |
| 1.75V | 1410 | 1009 | 659 | 490 | 391 | 349 | 299 | 236 | 200 | 106 | 49.1 | 20.6 |
| 1.80V | 1369 | 980 | 640 | 479 | 381 | 339 | 290 | 230 | 199 | 105 | 49.0 | 20.5 |

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

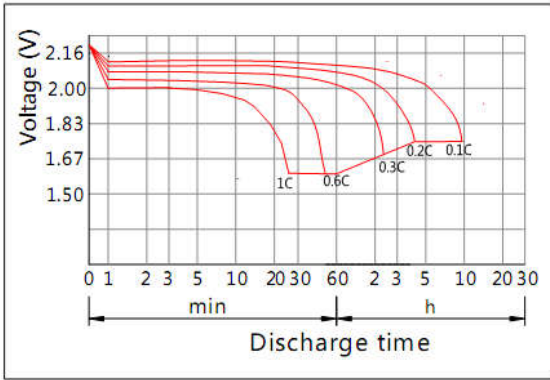


Dimensions

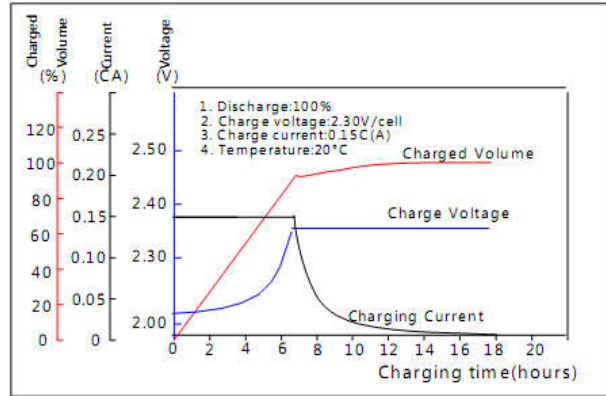


Terminal T10

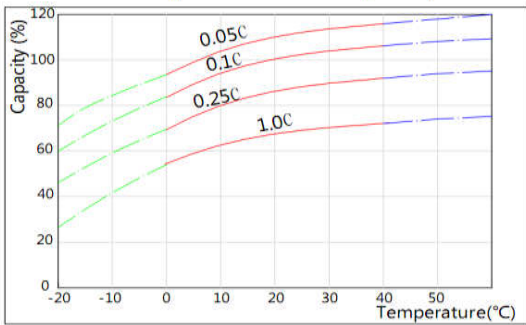
Discharge Characteristics(25°C)



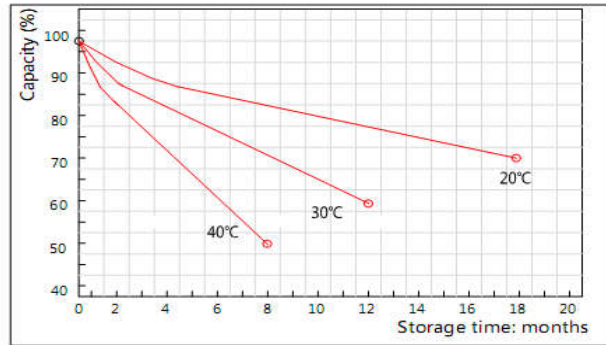
Charging Characteristics(25°C)



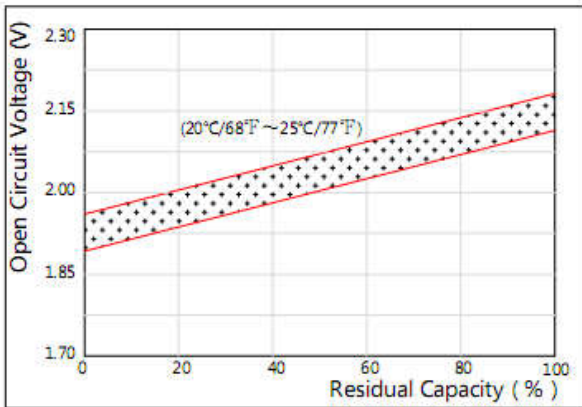
Effect of Temperature on Capacity



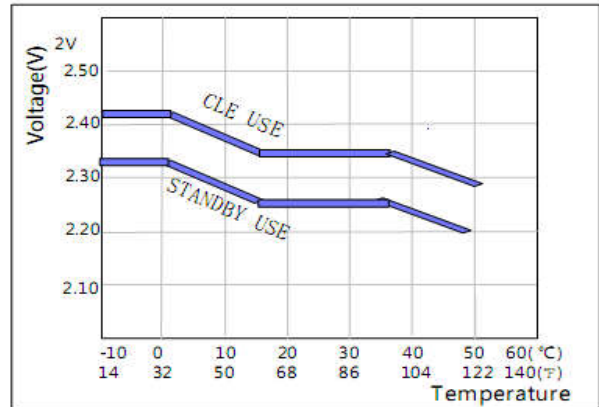
Self-discharge Characteristics



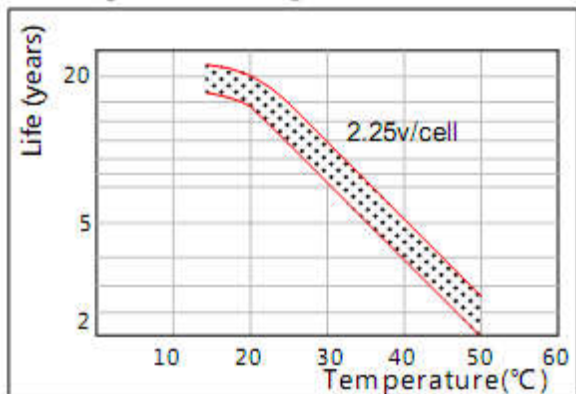
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

