

CFPG22000S (2V2000Ah)

Specifications

| | | |
|--|--------------|--|
| Nominal Voltage | | 2 V |
| Capacity (25°C) | 10HR(1.80V) | 2000 Ah |
| | 3HR(1.75V) | 1500Ah |
| | 1HR(1.60V) | 1138Ah |
| Dimension | Length | 399 ± 3mm (15.7inch) |
| | Width | 210 ± 2mm (8.27inch) |
| | Height | 772 ± 3mm (30.39inch) |
| | Total Height | 807 ± 3mm (31.77inch) |
| Approx. Weight | | 150kg (330lbs) ± 3% |
| Terminal type | | T10 |
| Internal resistance (Fully charged, 25°C) | | Approx. 0.20m 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 | | 400A |
| Terminal material | | Copper |
| Maximum discharge current | | 10000A(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)

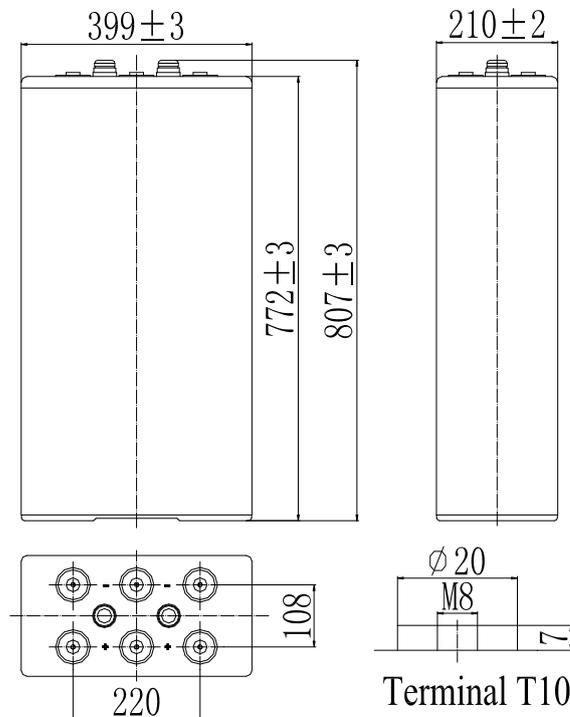
| F.V/TIME | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h | 48h | 120h |
|----------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 1.60V | 1600 | 1138 | 700 | 512 | 412 | 360 | 310 | 242 | 204 | 108 | --- | --- |
| 1.65V | 1578 | 1118 | 700 | 512 | 408 | 358 | 308 | 242 | 204 | 108 | -- | -- |
| 1.70V | 1538 | 1080 | 698 | 502 | 402 | 352 | 306 | 240 | 202 | 106 | 48.8 | --- |
| 1.75V | 1500 | 1060 | 680 | 500 | 402 | 352 | 302 | 238 | 202 | 106 | 48.8 | 20.2 |
| 1.80V | 1460 | 1020 | 662 | 482 | 390 | 342 | 292 | 230 | 200 | 105 | 48.2 | 20.0 |

Constant Power Discharge Characteristics (Watt, 25°C)

| F.V/TIME | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h | 48h | 120h |
|----------|-------|-------|------|------|-----|-----|-----|-----|-----|-----|------|------|
| 1.60V | 2998 | 2140 | 1358 | 1000 | 802 | 702 | 612 | 482 | 408 | 214 | --- | --- |
| 1.65V | 2938 | 2118 | 1340 | 998 | 800 | 702 | 602 | 480 | 402 | 214 | -- | -- |
| 1.70V | 2880 | 2058 | 1338 | 980 | 798 | 700 | 600 | 478 | 402 | 212 | 99.8 | --- |
| 1.75V | 2820 | 2018 | 1318 | 980 | 782 | 698 | 598 | 472 | 400 | 212 | 98.2 | 41.2 |
| 1.80V | 2738 | 1960 | 1280 | 958 | 762 | 678 | 580 | 460 | 398 | 210 | 98.0 | 41.0 |

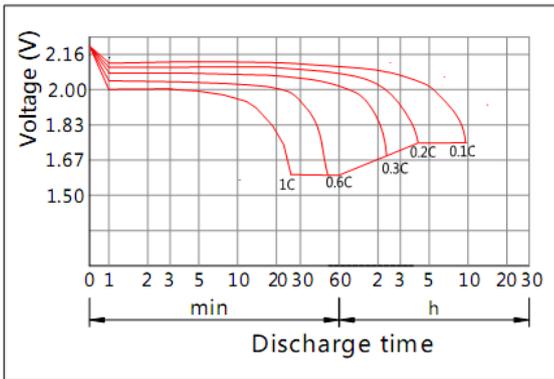
Note: The above characteristics data can be obtained within three charge/discharge cycles.

Dimensions

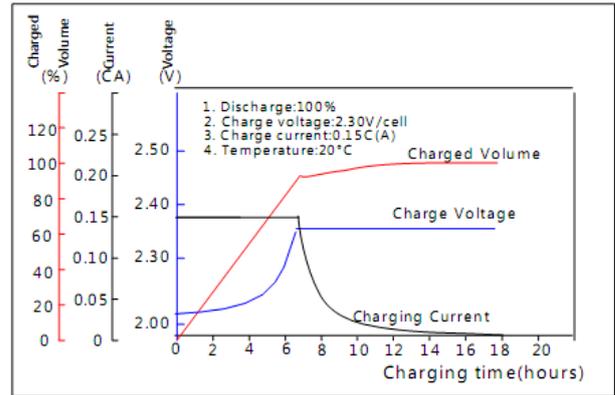


Terminal T10

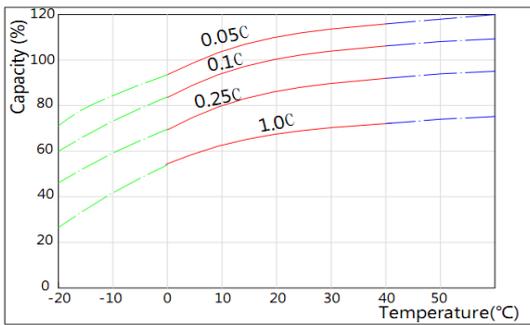
Discharge Characteristics(25°C)



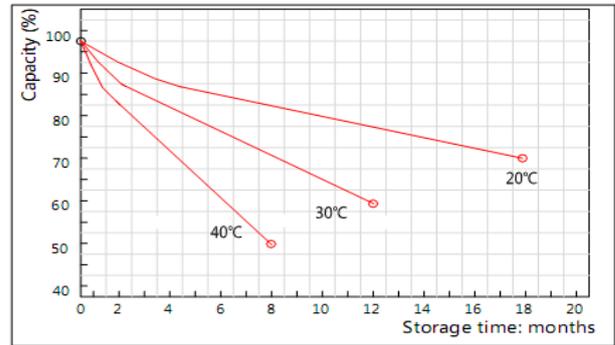
Charging Characteristics(25°C)



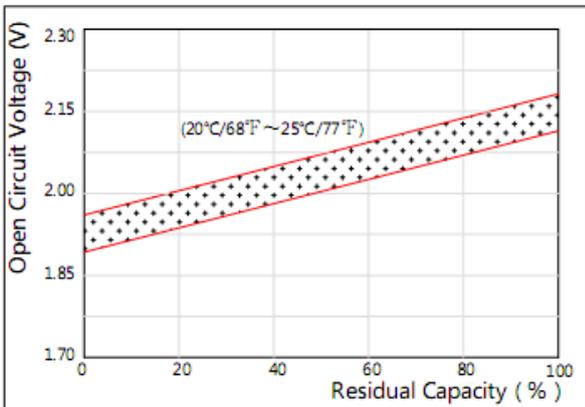
Effect of Temperature on Capacity



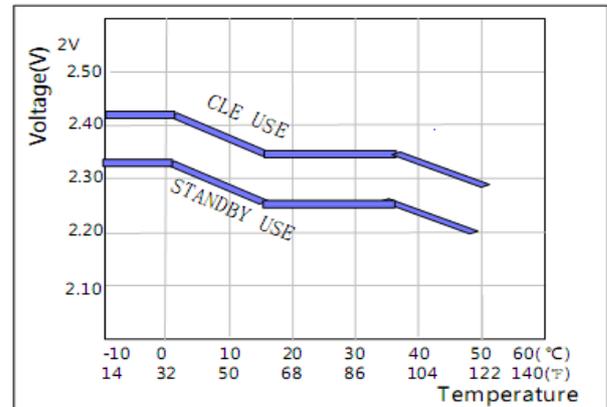
Self-discharge Characteristics



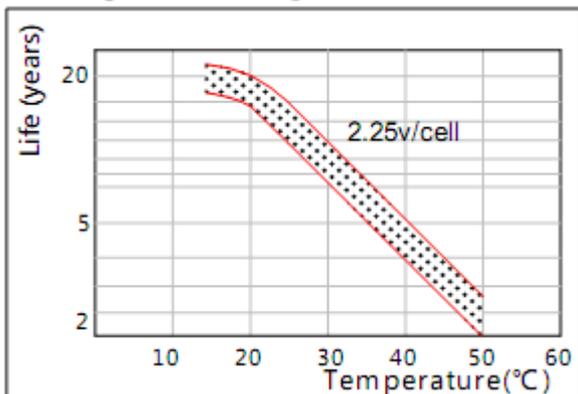
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

