



Holy Enterprise Limited

FL.2, No.12 North Ave.1, Industrial Rd. East, Gusan, Guzhen, Zhongshan, Guangdong, China

Specification

OPzV400-2V400AH/10HR

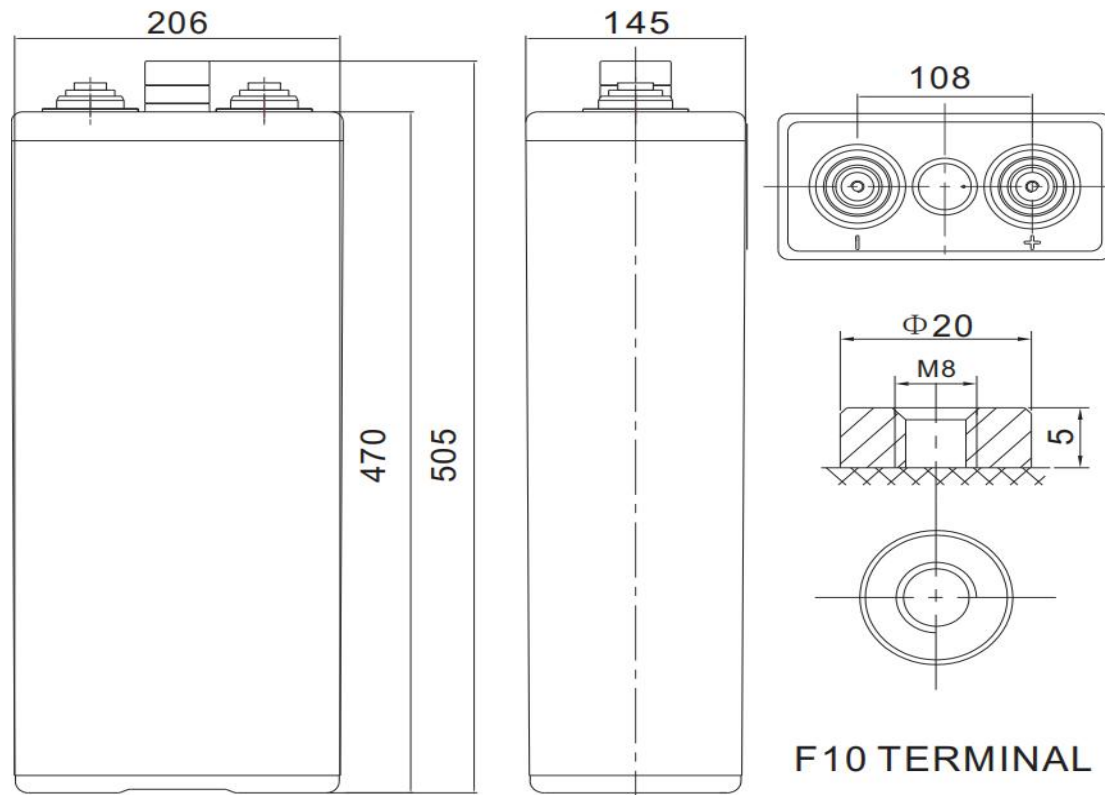
| | |
|--------------------------------|--|
| Cells Per Unit | 1 |
| Voltage Per Unit | 2 |
| Capacity | 400AH@10hr-rate to 1.8V per cell @ 25°C |
| Weight | Approx.33.5kg (Tolerance±3%) |
| Max. Discharge Current | 1700A(5sec) |
| Internal Resistance | Approx 0.76 mΩ |
| Operating Temperature | Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C |
| Normal Operating Temperature | 25±3°C |
| Float Charging Voltage | 2.25 to 2.27 VDC/unit Average at 25°C |
| Maximum Charging Current | 100A |
| Equalization and Cycle service | 2.35 to 2.40 VDC /unit Average at 25°C |
| Terminal | Terminal: M8 |



Application

Uninterruptible Power System;
Communication Equipments;
Solar Power Systems;
Solar Power Street Light;

Dimension: 145(L) ×206(W) ×473(H) (Total 505 mm)



Constant Current Discharge Characteristics: A(25°C)

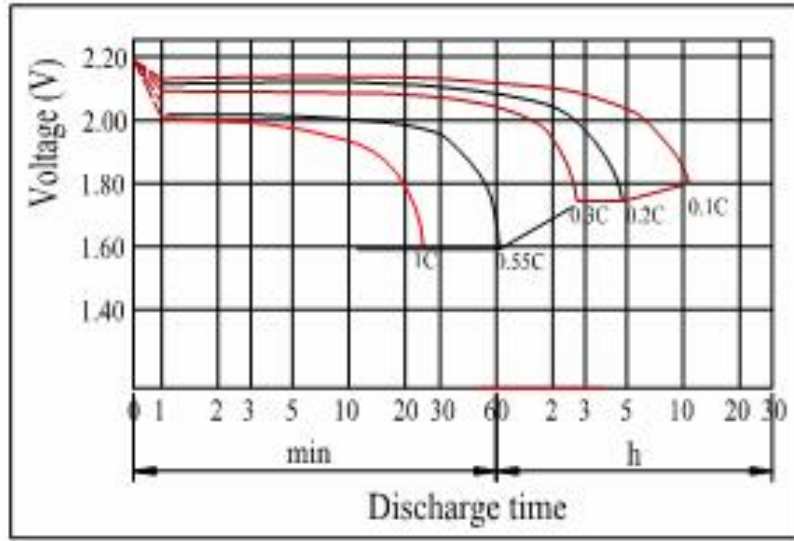
| F.V/Time | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.65V | 631.0 | 509.7 | 351.4 | 234.1 | 149.3 | 111.7 | 75.22 | 51.98 | 43.47 | 22.82 |
| 1.70V | 588.8 | 484.4 | 338.8 | 228.0 | 146.8 | 109.6 | 73.97 | 51.35 | 43.26 | 22.71 |
| 1.75V | 523.4 | 442.3 | 319.8 | 218.6 | 143.3 | 107.5 | 72.92 | 50.72 | 42.63 | 22.38 |
| 1.80V | 443.2 | 396.0 | 298.8 | 210.2 | 138.5 | 105.2 | 71.46 | 49.88 | 42.00 | 22.05 |
| 1.85V | 360.9 | 326.5 | 256.7 | 187.6 | 126.3 | 96.66 | 66.24 | 46.53 | 39.27 | 20.62 |

Constant Power Discharge Characteristics: W(25°C)

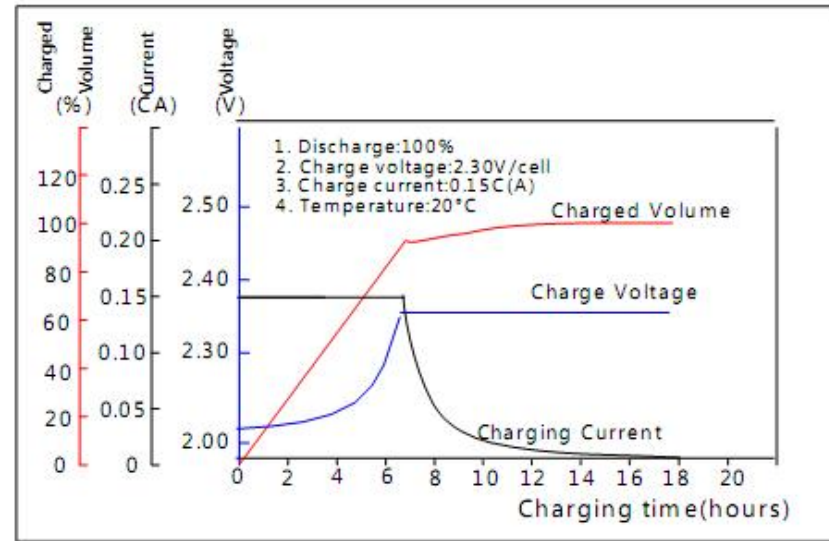
| F.V/Time | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.65V | 1095.3 | 905.7 | 646.0 | 440.8 | 285.3 | 214.8 | 14538 | 102.3 | 86.10 | 45.20 |
| 1.70V | 1038.4 | 869.9 | 627.1 | 432.4 | 280.5 | 211.2 | 144.6 | 101.2 | 85.47 | 44.87 |
| 1.75V | 941.3 | 808.8 | 597.6 | 418.1 | 274.4 | 207.7 | 142.3 | 100.2 | 84.63 | 44.43 |
| 1.80V | 810.4 | 733.0 | 566.0 | 404.9 | 268.6 | 204.2 | 139.8 | 98.71 | 83.37 | 43.77 |
| 1.85V | 671.1 | 615.0 | 490.3 | 361.9 | 245.6 | 188.5 | 130.2 | 92.42 | 78.33 | 41.12 |

All mentioned values are average values.

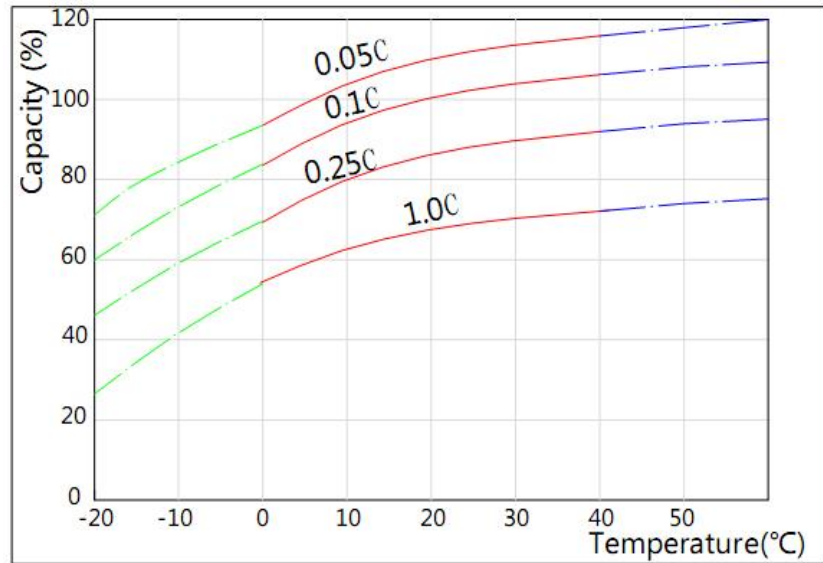
Discharge Characteristics(25°C)



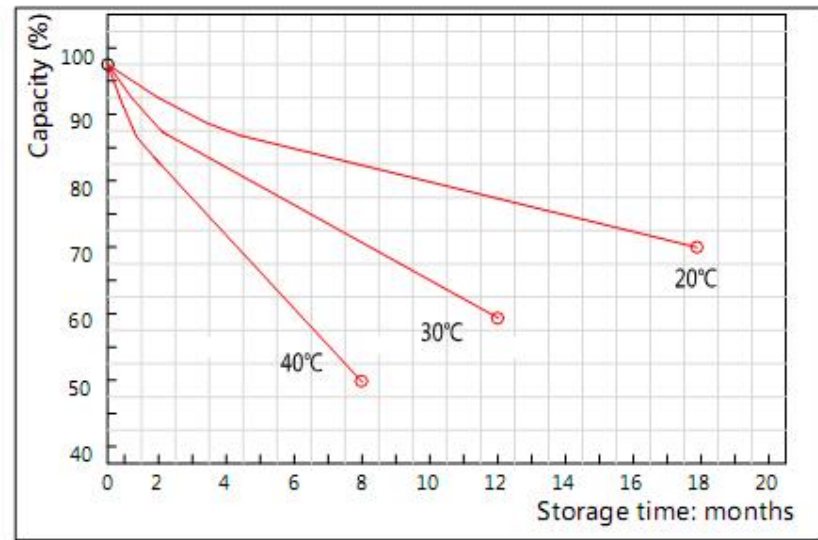
Charging Characteristics(25°C)



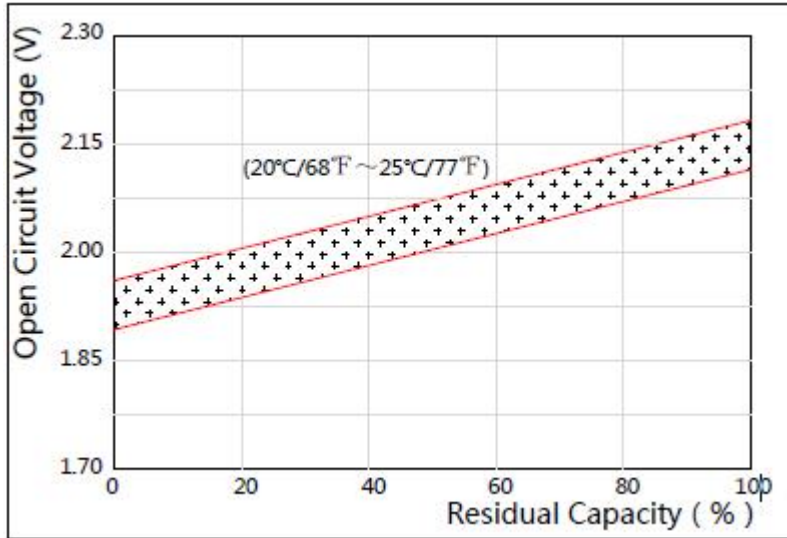
Effect of Temperature on Capacity



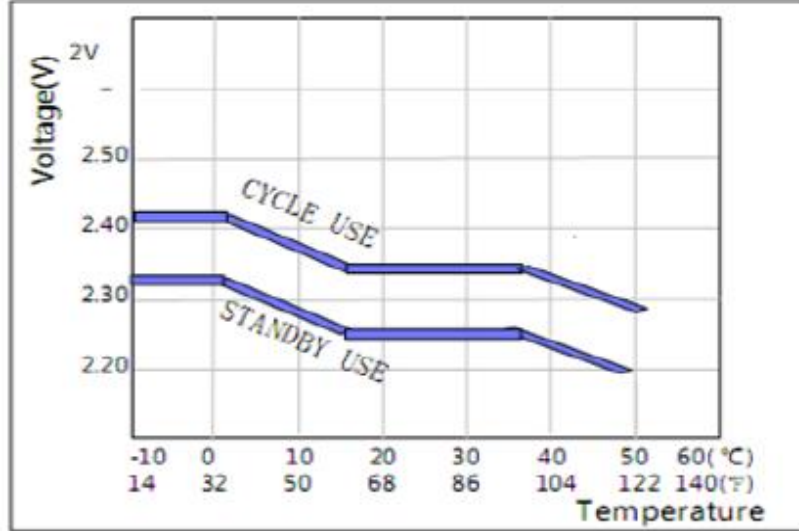
Self-discharge Characteristics



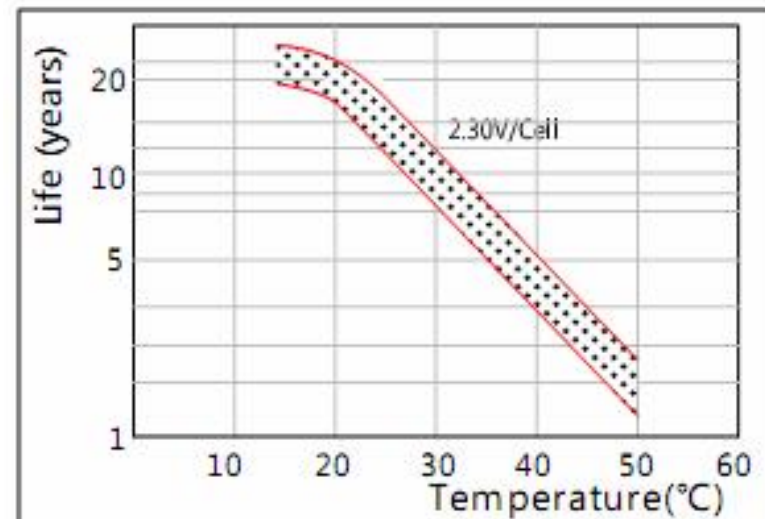
Open Circuit Voltage and Residual Capacity (25°C)



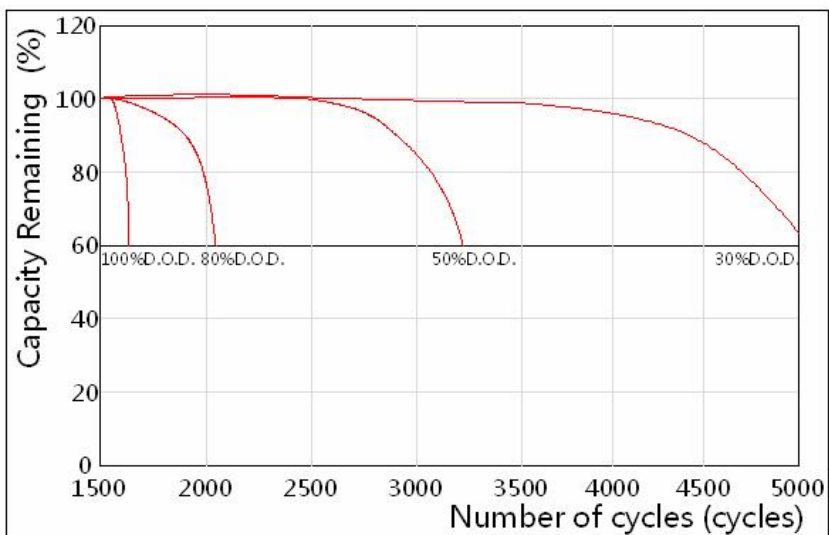
Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Maintenance & Cautions

- ※ Every month, recommend inspection every battery voltage;
- ※ Every three months, recommend equalization charge once;
Equalization charge method:
Discharge: 100% rate capacity discharge;
Charge: Max. Current 0.3CA, constant voltage 2.35-2.4V/Cell;
- ※ Effect of temperature on float charge voltage: -3mV/Cell;

CONTACT Us

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