



Holy Enterprise Limited

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

Specification

OPzV2000-2V2000AH/10HR

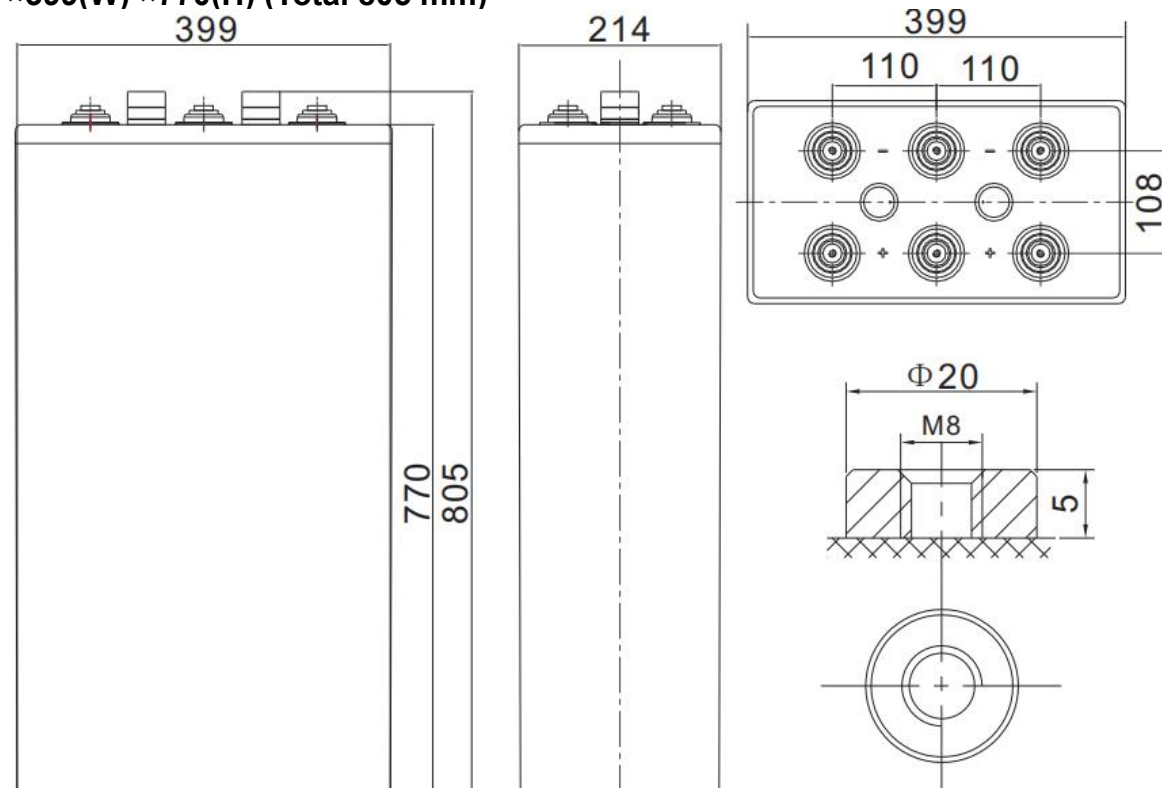
Cells Per Unit	1
Voltage Per Unit	2
Capacity	2000AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx.153.0kg (Tolerance±3%)
Max. Discharge Current	7000A(5sec)
Internal Resistance	Approx 0.43 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	400A
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: 214(L) ×399(W) ×770(H) (Total 805 mm)



F10 TERMINAL

Constant Current Discharge Characteristics: A(25°C)

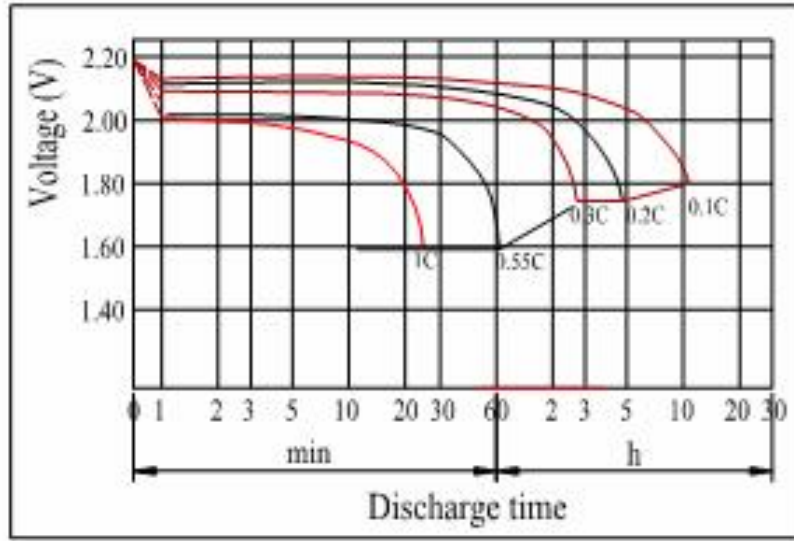
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	20HR
1.65V	2053	1803	1426	1115	711.0	531.9	357.9	247.9	207.2	108.9
1.70V	1911	1708	1371	1086	699.5	522.3	352.2	245.0	205.7	108.0
1.75V	1703	1565	1296	1041	682.3	512.0	347.1	241.5	203.5	106.8
1.80V	1439	1399	1215	1001	659.4	500.6	340.3	237.5	200.0	105.0
1.85V	1170	1155	1044	892.6	602.1	460.3	315.7	222.1	187.5	98.44

Constant Power Discharge Characteristics: W(25°C)

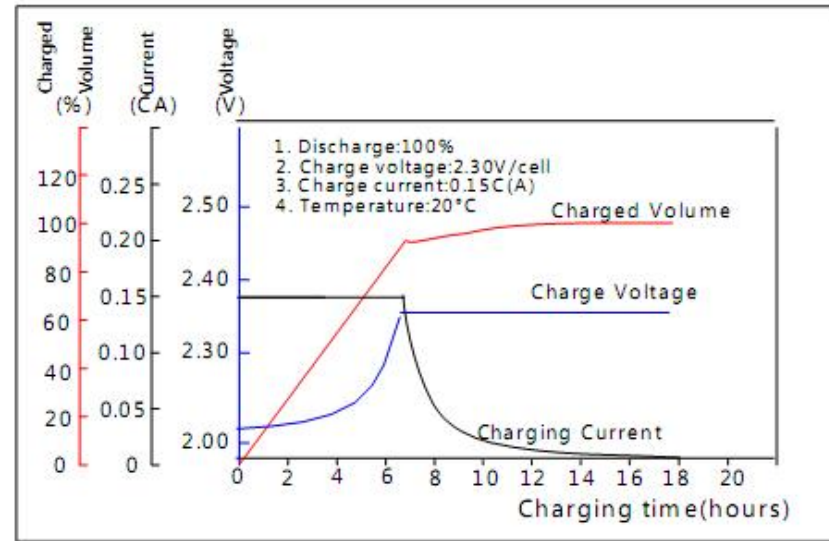
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	20HR
1.65V	3557	3278	2618	2099	1359	1023	694.5	487.0	410.3	215.4
1.70V	3372	3151	2543	2059	1336	1006	688.5	482.5	406.8	213.6
1.75V	3059	2929	2426	1991	1307	988.7	677.1	477.4	402.8	211.5
1.80V	2631	2655	2300	1928	1279	971.7	665.8	470.4	397.2	208.5
1.85V	2178	2224	1993	1723	1170	897.5	620.2	440.1	372.8	195.6

All mentioned values are average values.

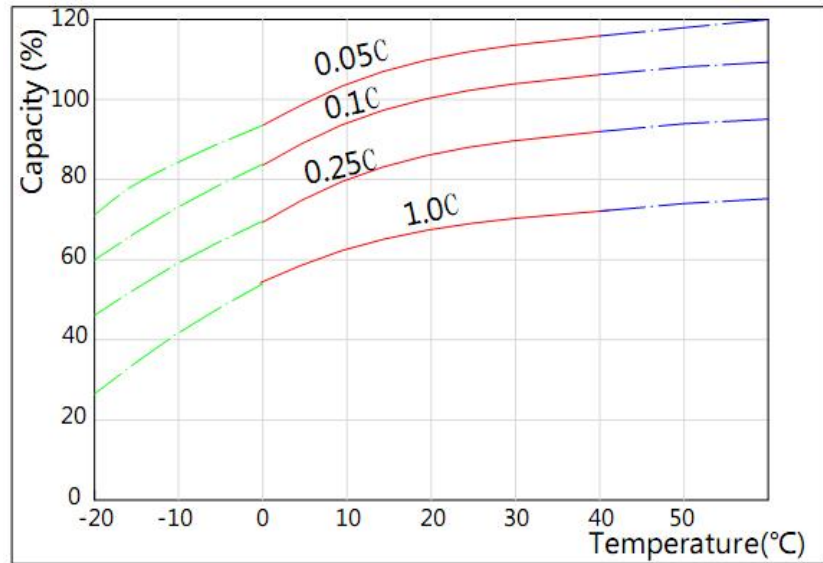
Discharge Characteristics(25°C)



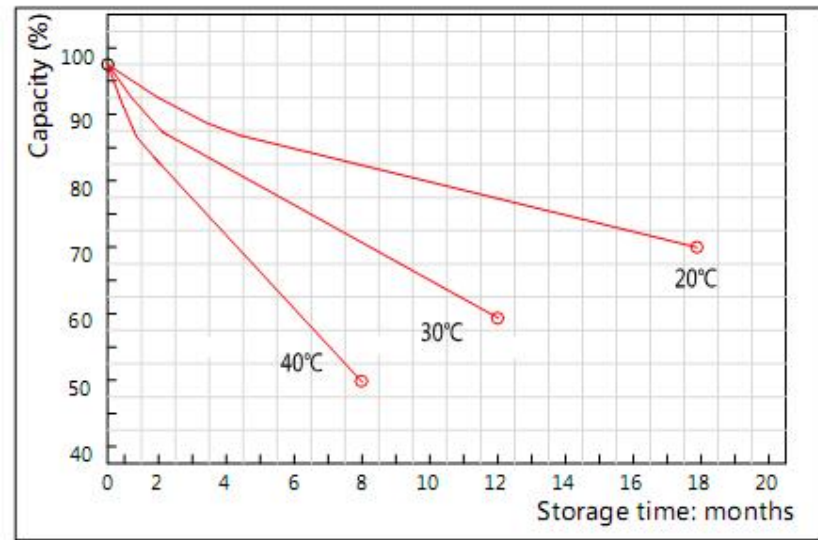
Charging Characteristics(25°C)



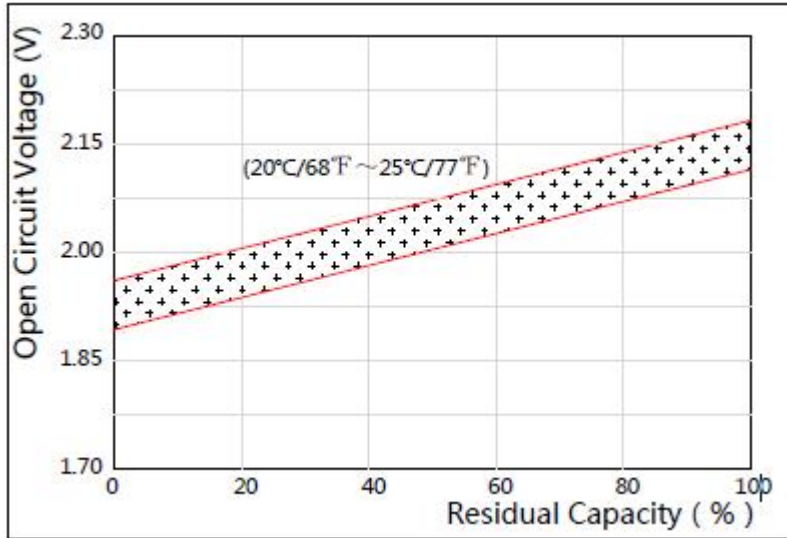
Effect of Temperature on Capacity



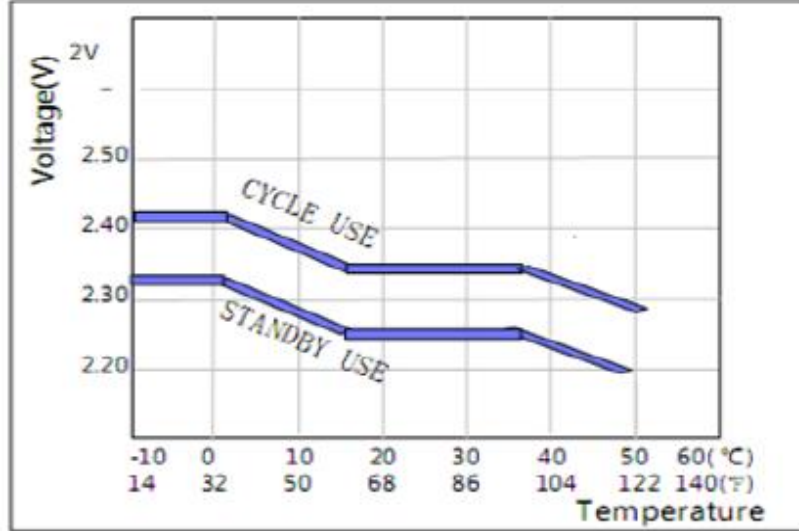
Self-discharge Characteristics



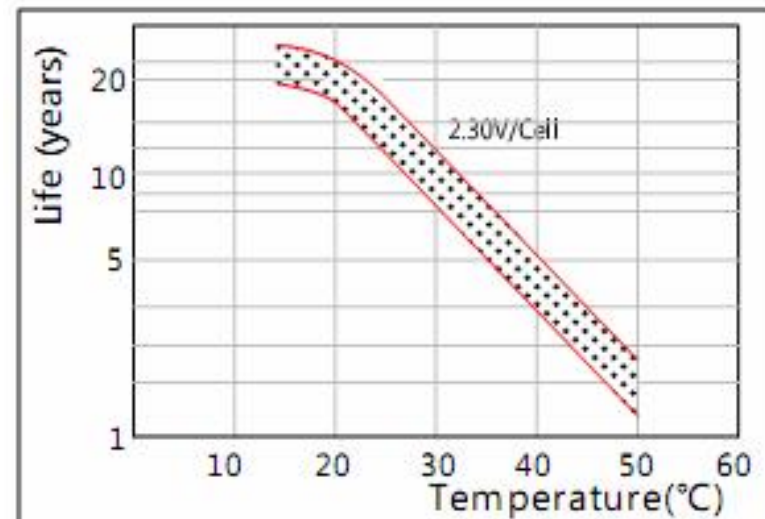
Open Circuit Voltage and Residual Capacity (25°C)



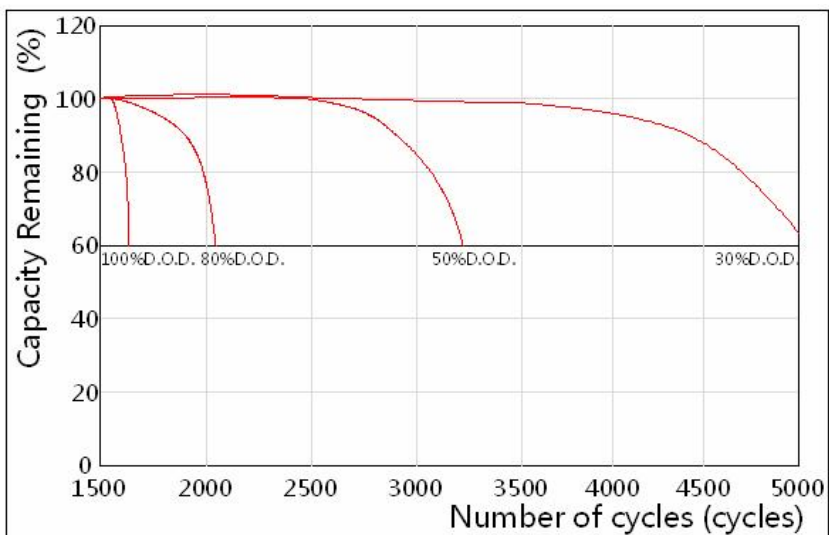
Charging Voltage and Temperature



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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