



Holy Enterprise Limited

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

Specification

OPzV1000-2V1000AH/10HR

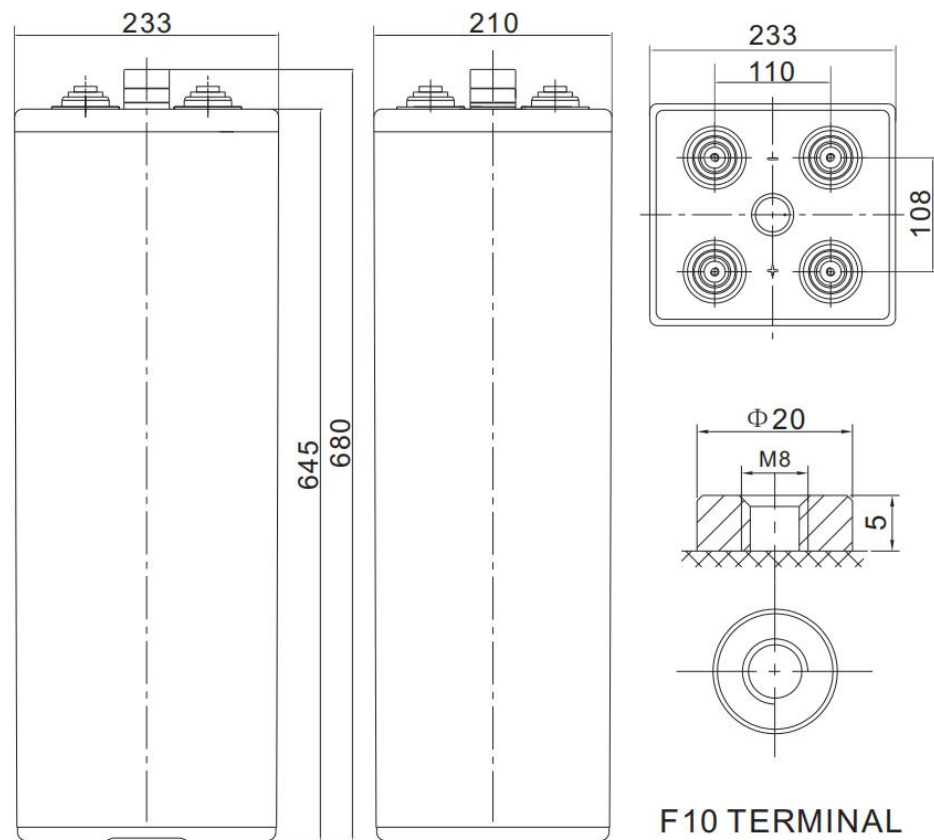
Cells Per Unit	1
Voltage Per Unit	2
Capacity	1000AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx.77.5kg (Tolerance±3%)
Max. Discharge Current	3800A(5sec)
Internal Resistance	Approx 0.50 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current Limit	200A
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: 210(L) ×233(W) ×645(H) (Total 680 mm)



Constant Current Discharge Characteristics: A(25°C)

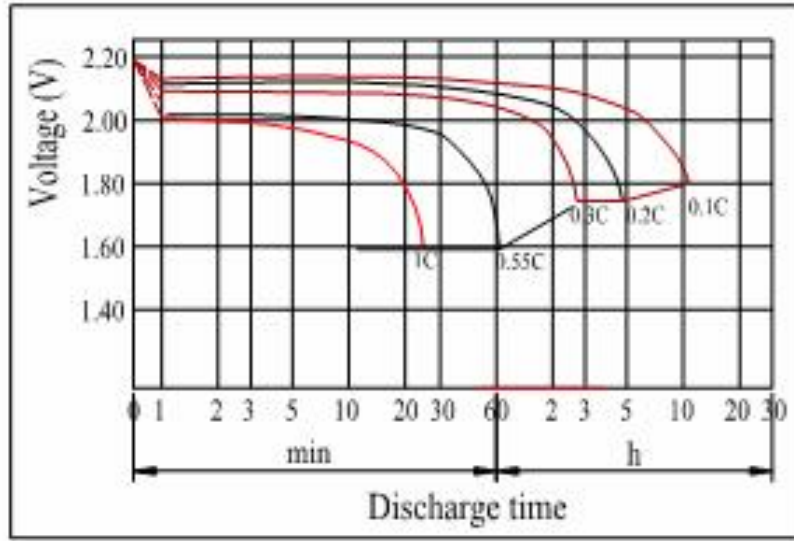
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	20HR
1.65V	1200	1014	764.0	557.4	355.6	265.9	179.1	123.8	103.5	54.34
1.70V	1119	962.5	735.7	543.0	349.6	260.9	176.0	122.3	103.0	54.05
1.75V	995.6	880.3	695.1	520.5	341.1	255.8	173.6	120.8	101.5	53.29
1.80V	842.4	787.4	650.4	500.5	329.7	250.5	170.1	118.8	100.0	52.50
1.85V	685.6	649.7	558.8	446.6	300.8	230.1	157.7	110.8	94.20	49.09

Constant Power Discharge Characteristics: W(25°C)

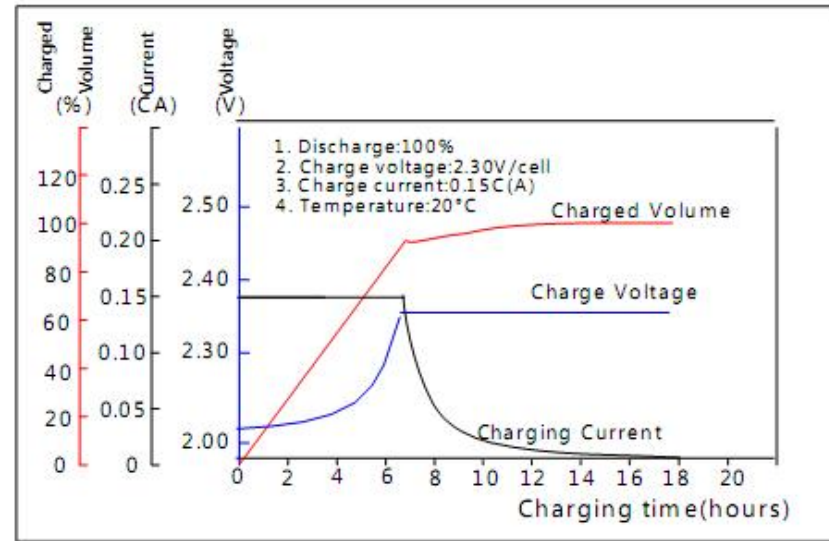
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	20HR
1.65V	2082	1801	1404	1049	679.3	511.4	347.3	243.5	205.0	107.6
1.70V	1974	1731	1363	1029	667.8	502.9	344.3	241.0	203.5	106.8
1.75V	1790	1609	1300	995.5	653.4	494.5	338.8	238.5	201.5	105.8
1.80V	1540	1458	1231	964.0	639.4	486.1	332.8	235.0	198.5	104.2
1.85V	1275	1222	1067	861.6	584.7	448.9	309.9	220.1	186.5	97.91

All mentioned values are average values.

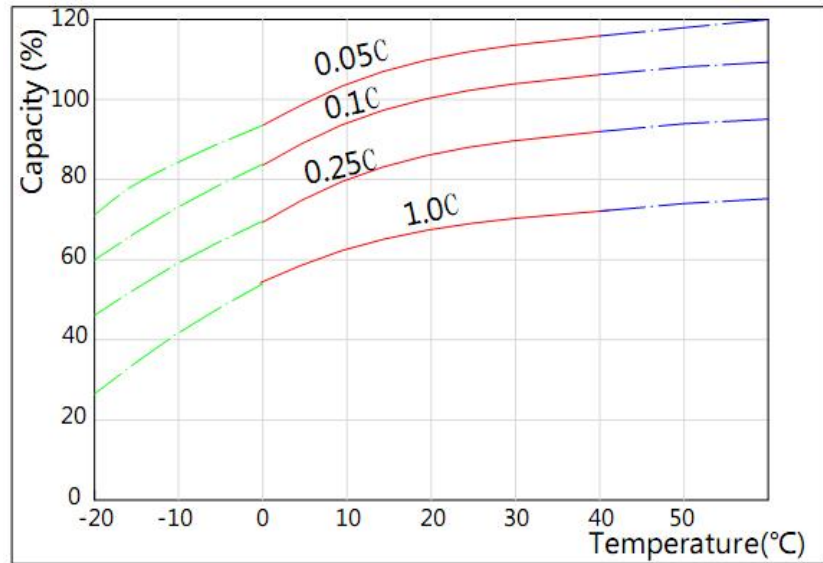
Discharge Characteristics(25°C)



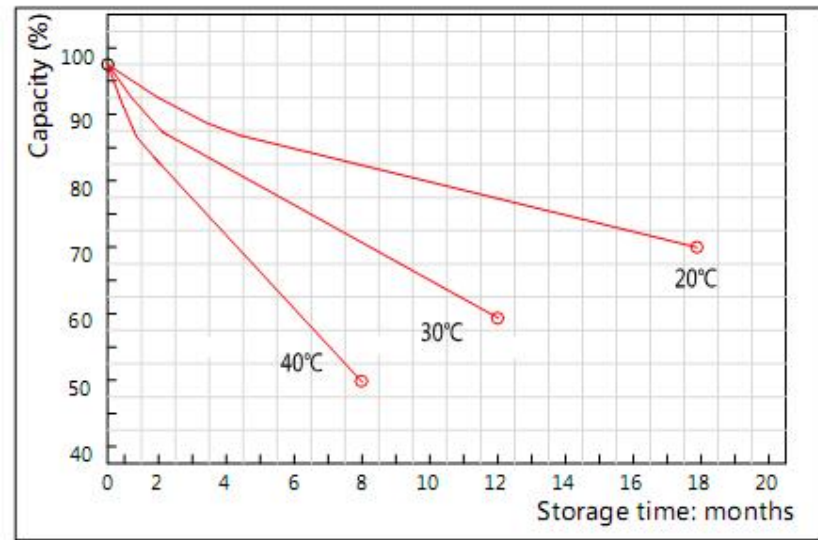
Charging Characteristics(25°C)



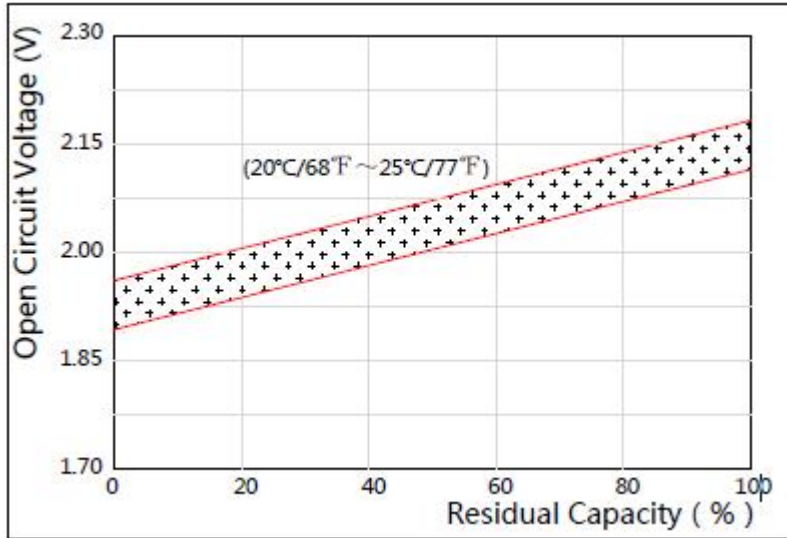
Effect of Temperature on Capacity



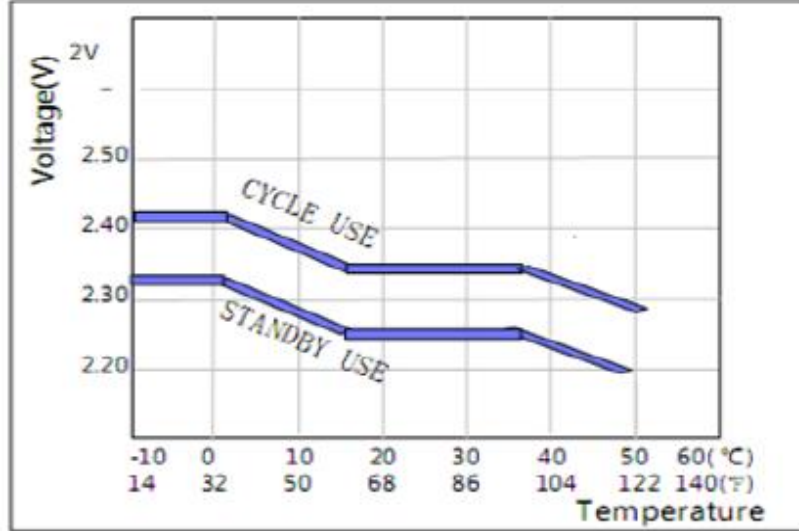
Self-discharge Characteristics



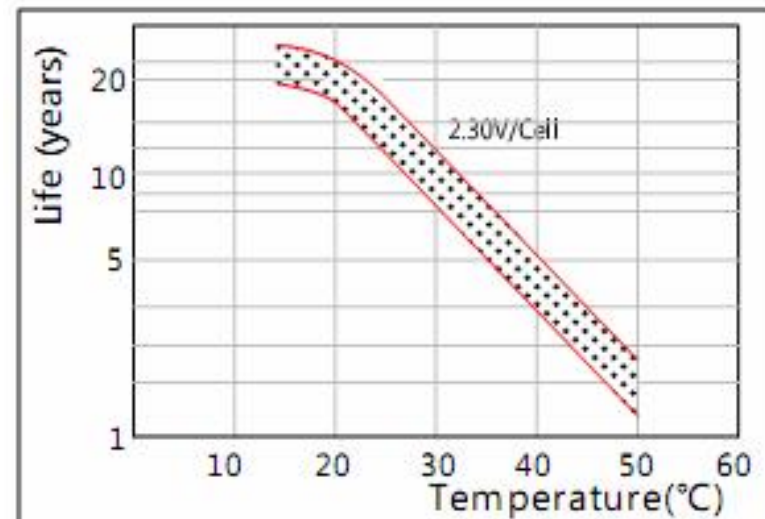
Open Circuit Voltage and Residual Capacity (25°C)



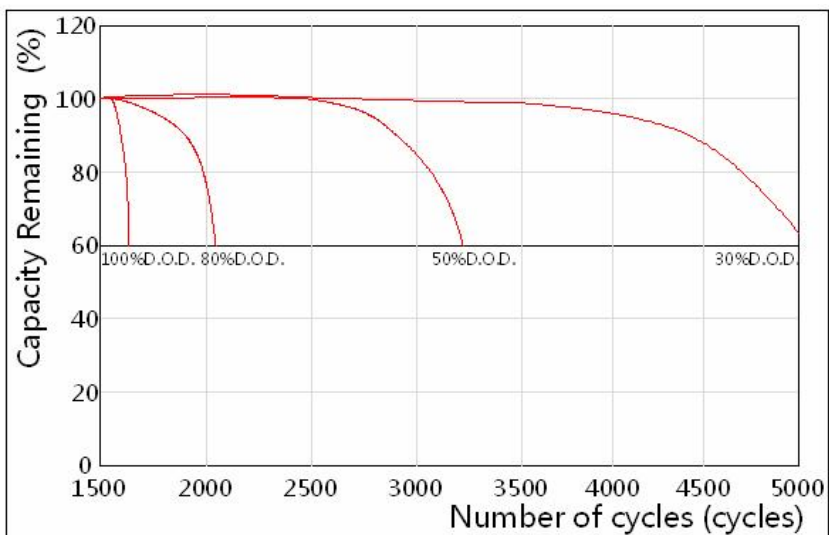
Charging Voltage and Temperature



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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