



Holy Enterprise Limited

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

Specification

OPzV1200-2V1200AH/10HR

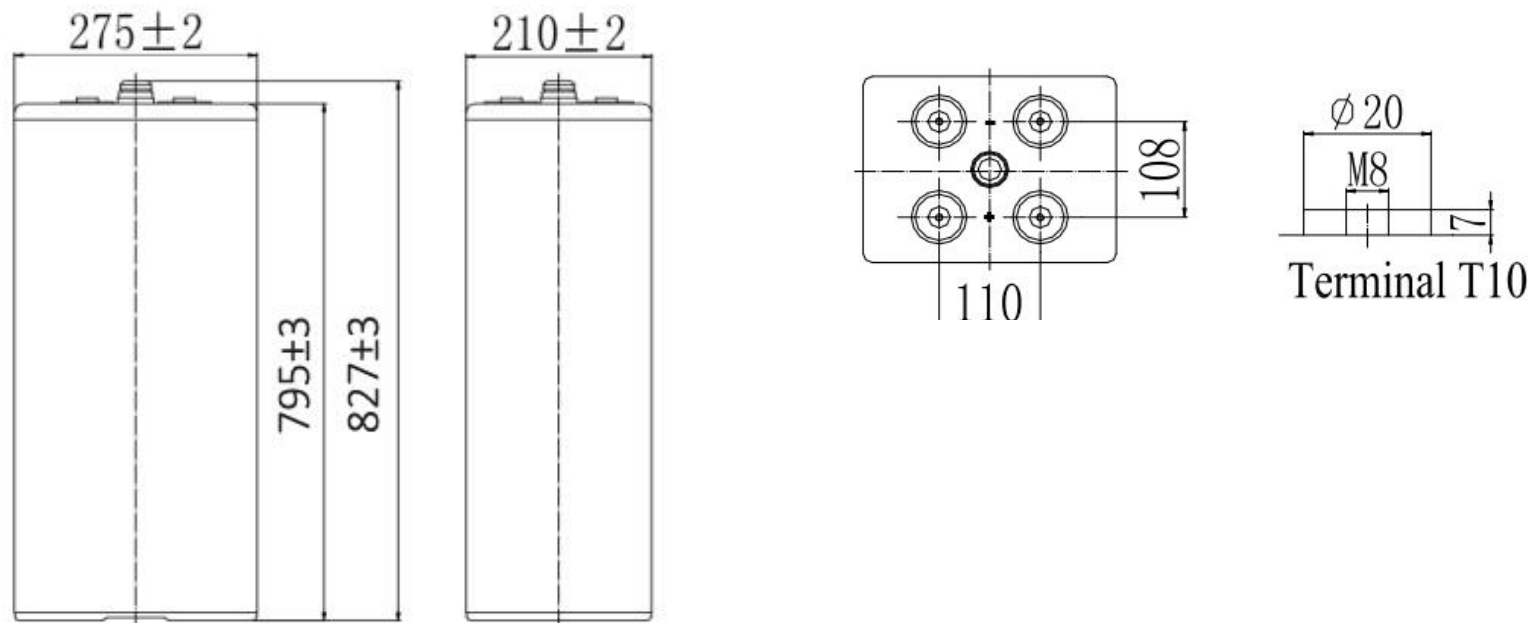
Cells Per Unit	2
Voltage Per Unit	1200
Capacity	1200AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx.90kg (Tolerance±3%)
Max. Discharge Current	6000A(5sec)
Internal Resistance	Approx 0.33 mΩ
Operating Temperature Range	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature Range	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit	300A
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: 275(L) ×210(W) ×795 (H) (Total 827 mm)



Constant Current Discharge Characteristics: A(25°C)

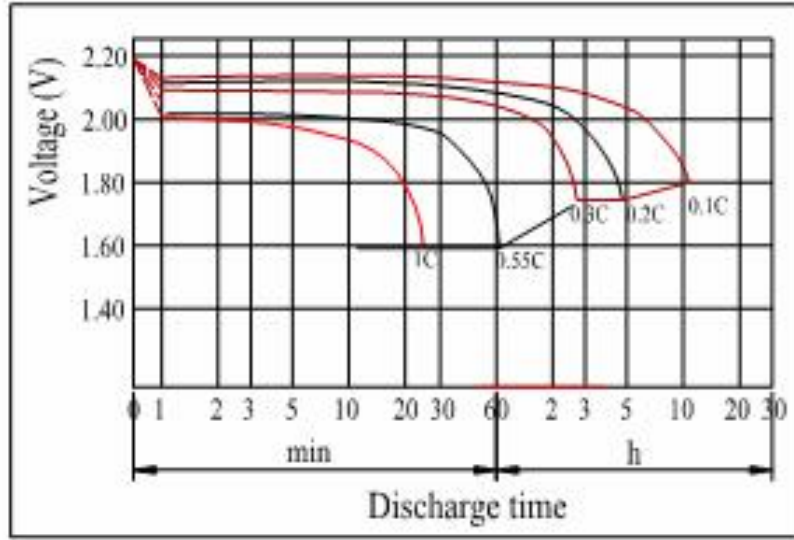
F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	100HR
1.65V	1101.5	741.3	453.8	349.1	282.0	240.2	206.0	163.1	123.9	71.1	61.4	15.8
1.70V	1068.5	722.6	449.4	345.9	278.7	237.9	204.9	160.8	124.4	71.0	60.9	15.6
1.75V	1041.9	708.3	442.8	343.7	277.5	236.9	203.7	159.8	123.8	70.7	60.8	15.5
1.80V	1003.4	687.3	430.7	332.7	269.9	230.3	197.1	154.2	123.2	70.1	60.6	15.5
1.85V	952.7	653.1	409.7	316.1	256.7	218.1	187.4	146.6	122.6	66.6	57.5	15.3

Constant Power Discharge Characteristics: W(25°C)

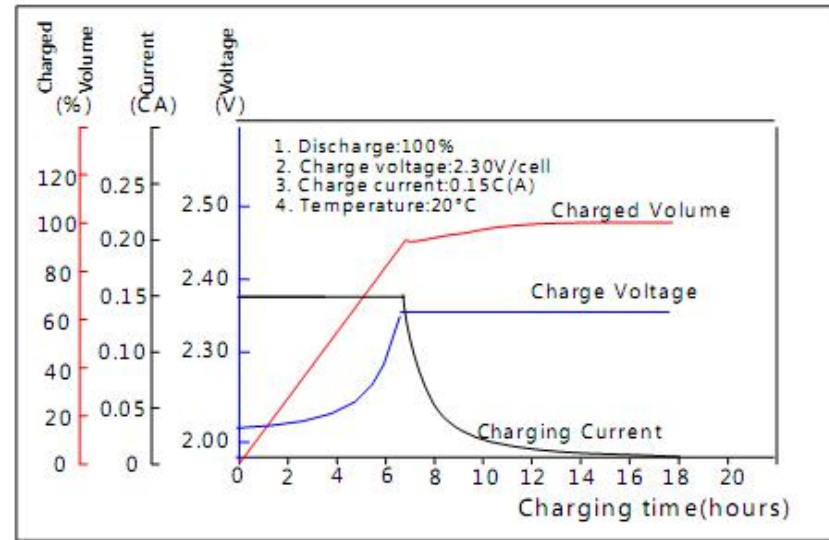
F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	100HR
1.65V	2059.7	1409.9	874.5	683.0	550.7	473.7	407.6	321.6	266.6	143.3	123.3	32.6
1.70V	1995.8	1374.6	866.9	678.5	547.4	469.2	404.3	318.3	266.6	141.0	122.3	32.1
1.75V	1947.3	1347.2	853.7	674.1	544.1	467.0	401.0	317.3	264.3	141.0	121.2	31.8
1.80V	1875.8	1306.4	832.7	653.1	527.6	451.7	388.8	306.2	263.3	140.0	119.0	31.4
1.85V	1782.2	1241.3	791.9	620.1	501.2	429.6	369.0	290.7	250.1	133.4	115.7	31.2

All mentioned values are average values.

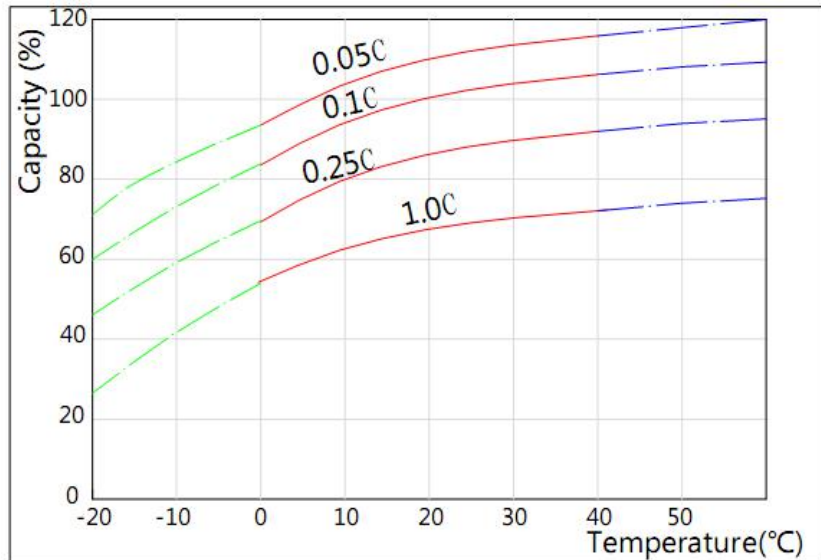
Discharge Characteristics(25°C)



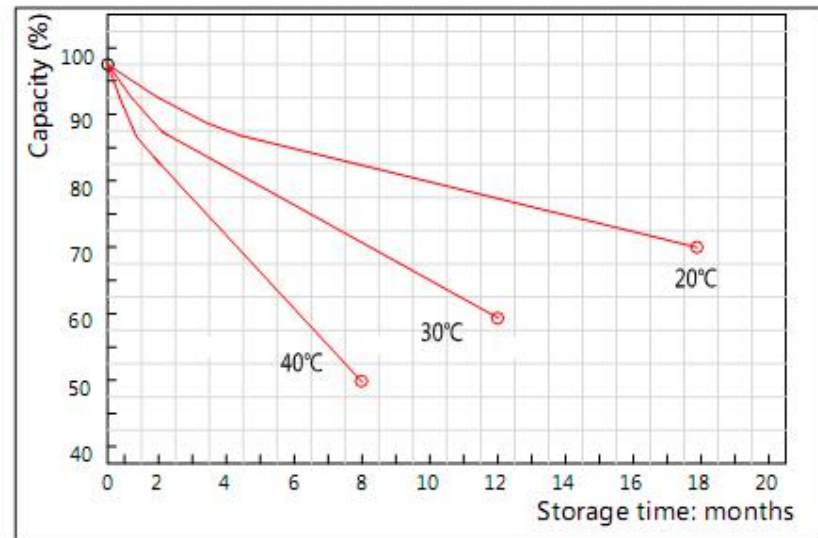
Charging Characteristics(25°C)



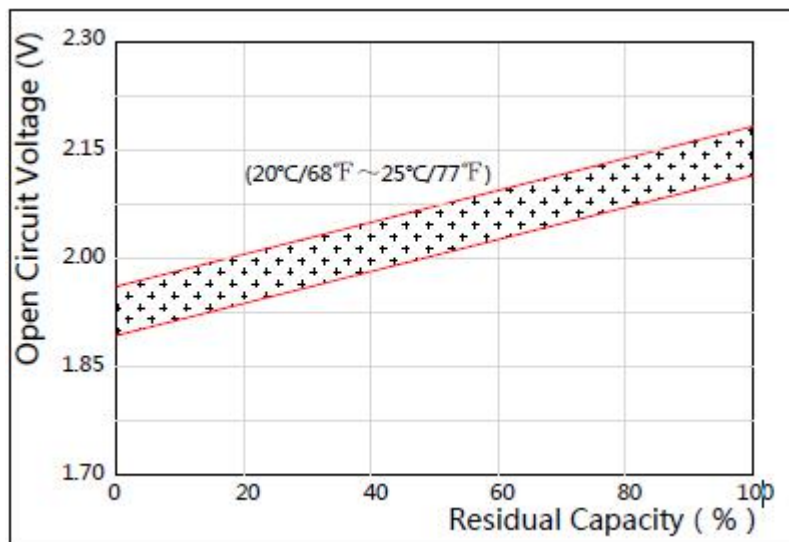
Effect of Temperature on Capacity



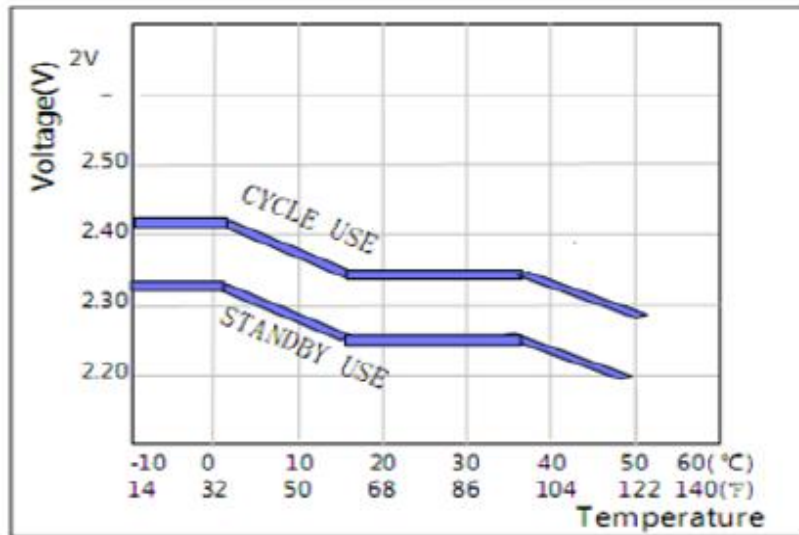
Self-discharge Characteristics



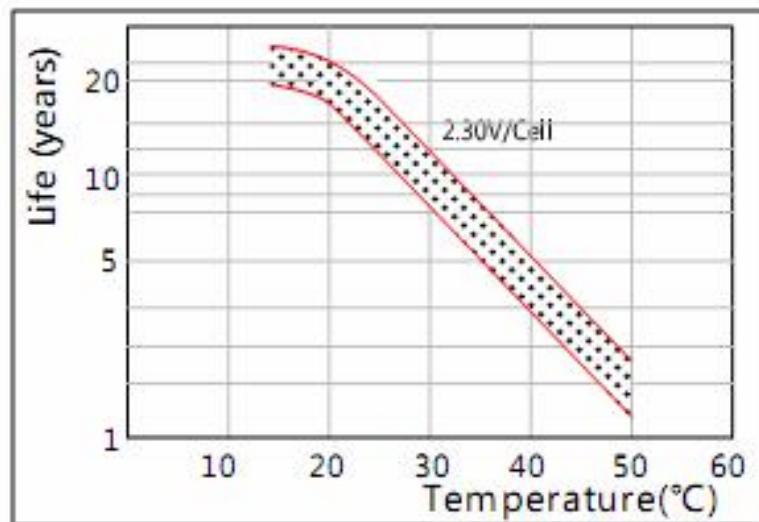
Open Circuit Voltage and Residual Capacity (25°C)



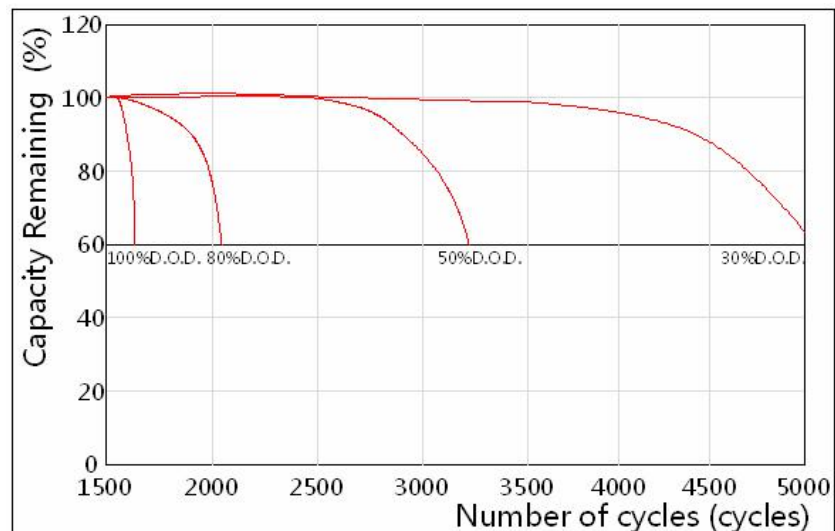
Charging Voltage and Temperature



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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