



Holy Enterprise Limited

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Specification

OPzV800-2V800AH/10HR

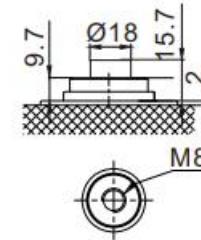
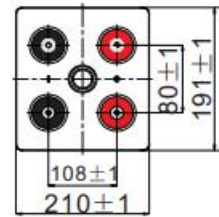
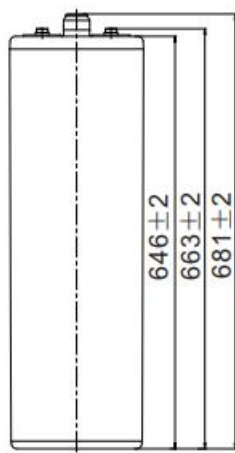
Cells Per Unit	1
Voltage Per Unit	2
Capacity	800AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx.65kg (Tolerance±3%)
Max. Discharge Current	4000A(5sec)
Internal Resistance	Approx 0.35 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	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: 191(L) ×210(W) ×646(H) (Total 681 mm)



Constant Current Discharge Characteristics: A(25°C)

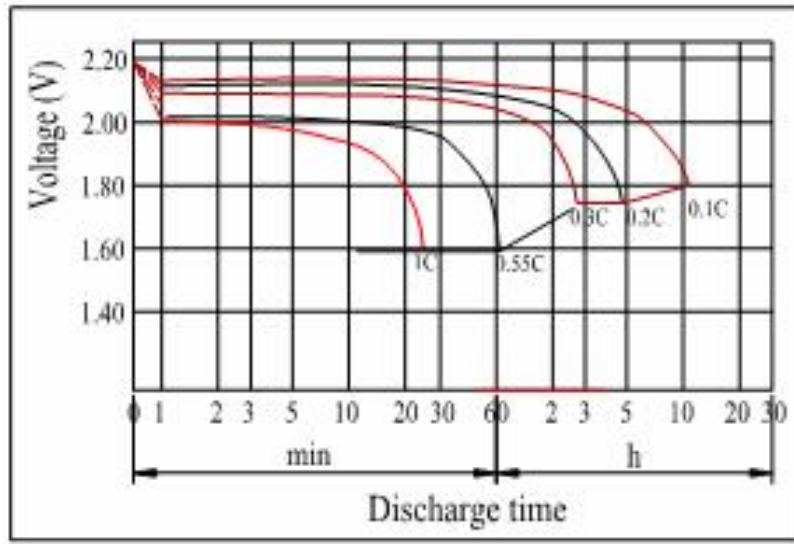
F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	100HR
1.65V	734.3	494.2	302.5	232.7	188.0	160.1	137.3	108.7	82.6	47.4	40.9	10.5
1.70V	712.3	481.7	299.6	230.6	185.8	158.6	136.6	107.2	82.9	47.3	40.6	10.4
1.75V	694.6	472.2	295.2	229.1	185.0	157.9	135.8	106.5	82.5	47.1	40.5	10.3
1.80V	668.9	458.2	287.1	221.8	179.9	153.5	131.4	102.8	82.1	46.7	40.4	10.3
1.85V	635.1	435.4	273.1	210.7	171.1	145.4	124.9	97.7	81.7	44.4	38.3	10.2

Constant Power Discharge Characteristics: W(25°C)

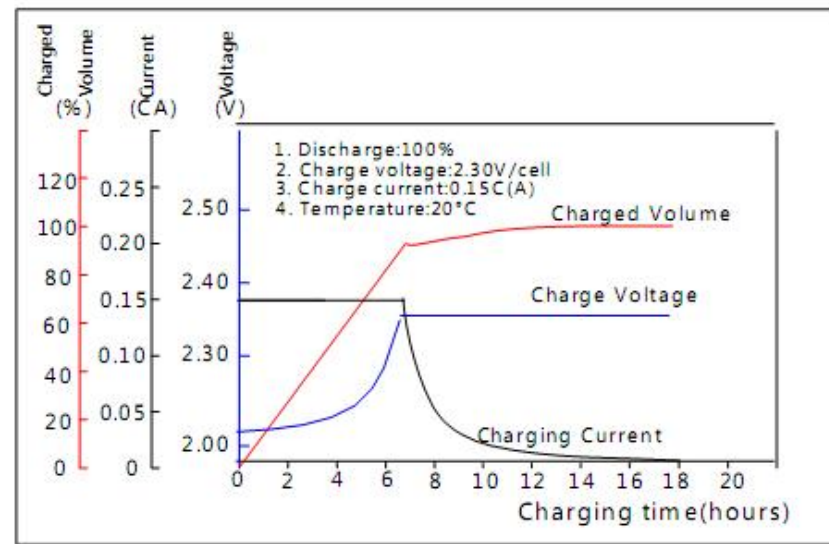
F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	100HR
1.65V	1373.1	939.9	583.0	455.3	367.1	315.8	271.7	214.4	177.7	95.5	82.2	21.7
1.70V	1330.5	916.4	577.9	452.3	364.9	312.8	269.5	212.2	177.7	94.0	81.5	21.4
1.75V	1298.2	898.1	569.1	449.4	362.7	311.3	267.3	211.5	176.2	94.0	80.8	21.2
1.80V	1250.5	870.9	555.1	435.4	351.7	301.1	259.2	204.1	175.5	93.3	79.3	20.9
1.85V	1188.1	827.5	527.9	413.4	334.1	286.4	246.0	193.8	166.7	88.9	77.1	20.8

All mentioned values are average values.

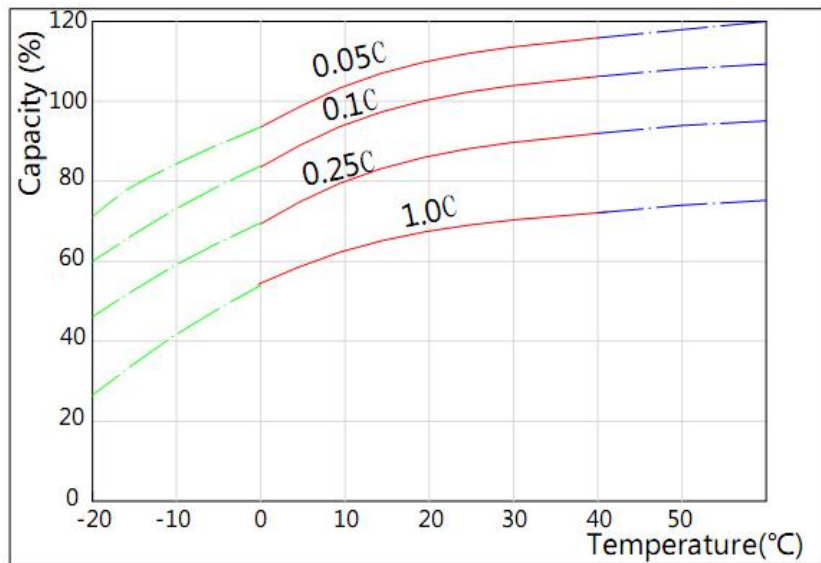
Discharge Characteristics(25°C)



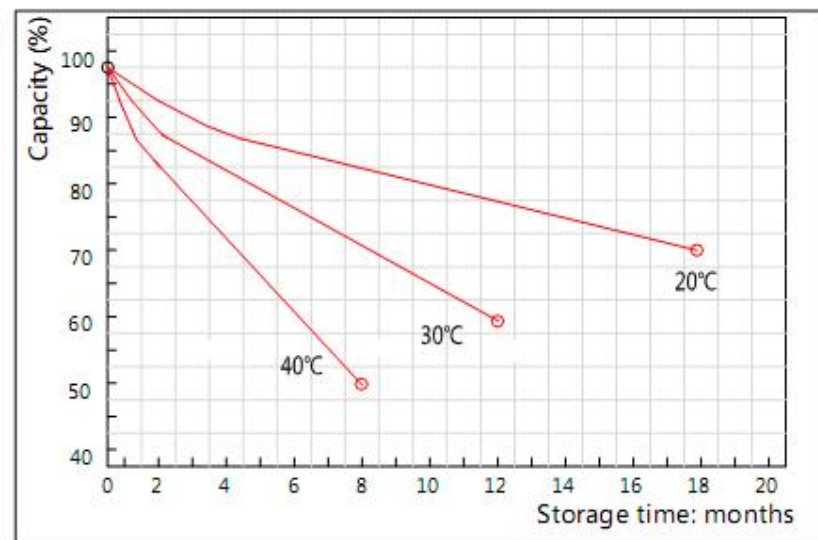
Charging Characteristics(25°C)



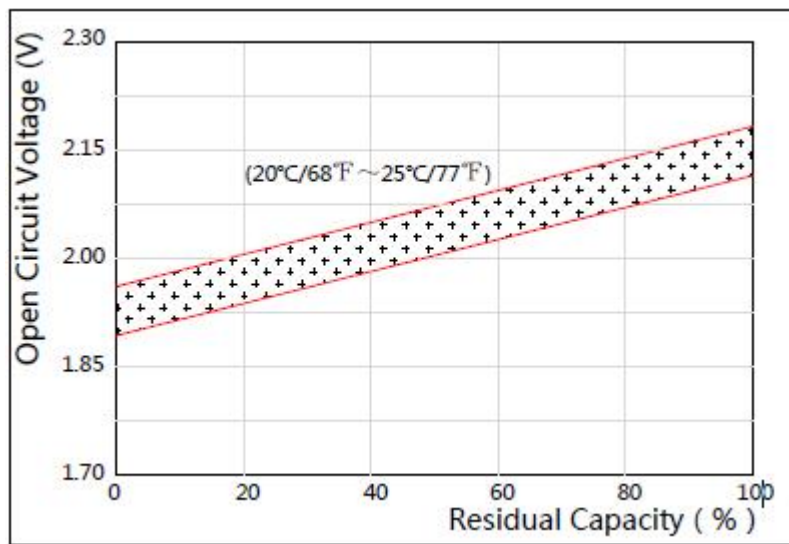
Effect of Temperature on Capacity



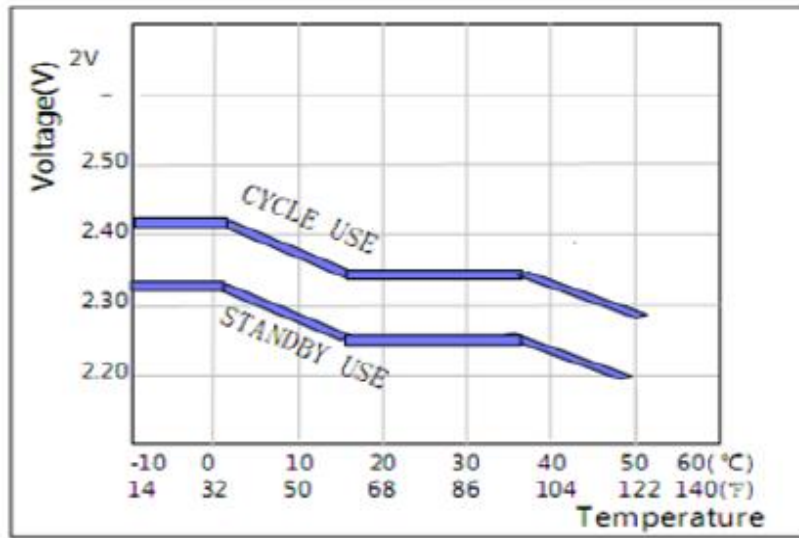
Self-discharge Characteristics



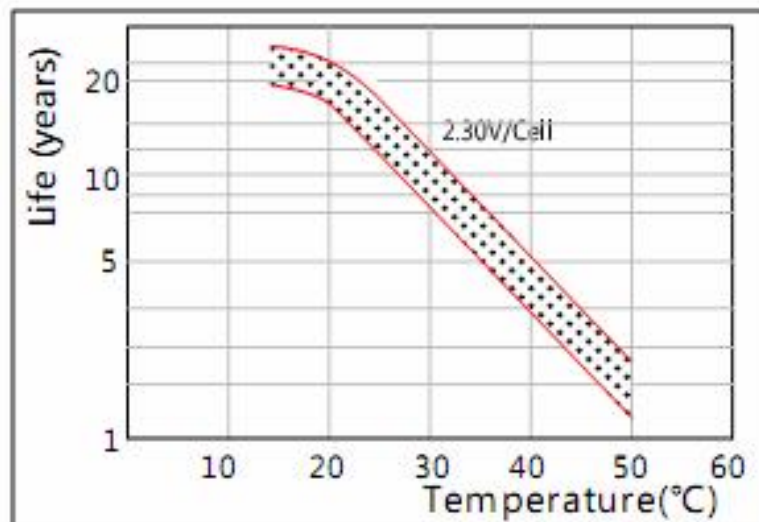
Open Circuit Voltage and Residual Capacity (25°C)



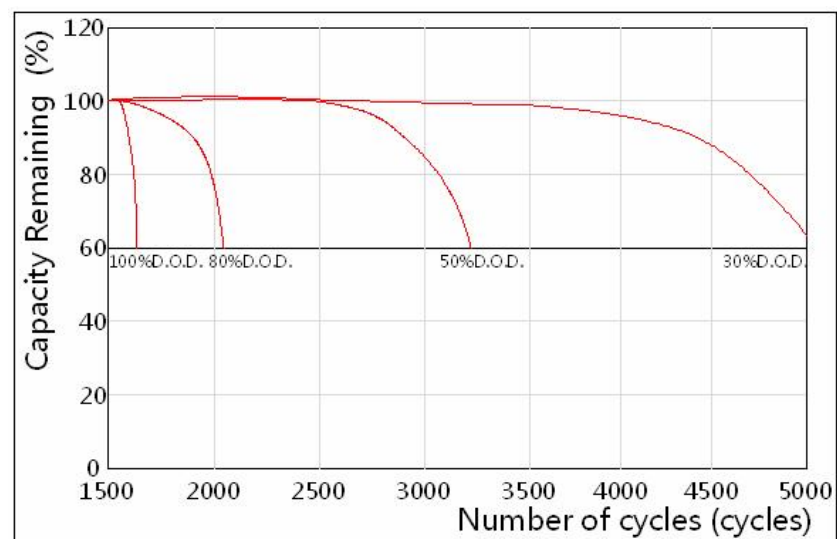
Charging Voltage and Temperature



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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