



# Holy Enterprise Limited

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

## Specification

OPzV3000-2V3000AH/10HR

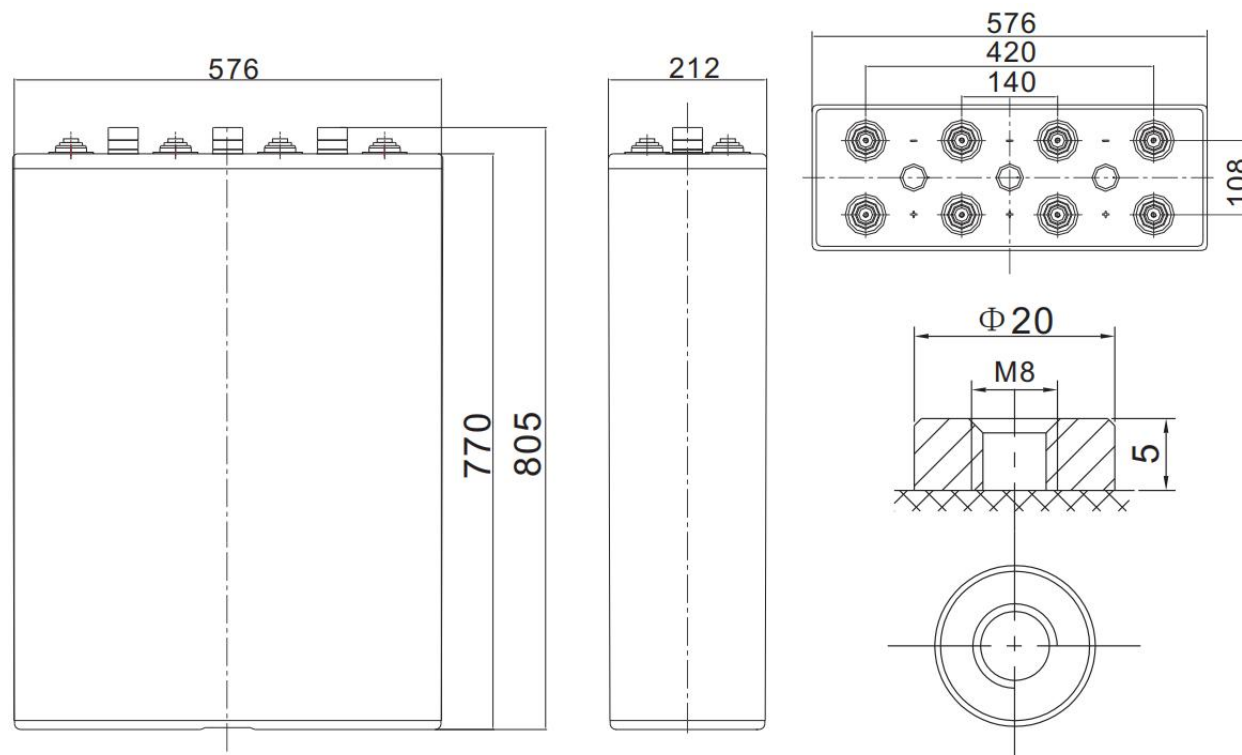
Cells Per Unit	1
Voltage Per Unit	2
Capacity	3000AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx.226.0kg (Tolerance±3%)
Max. Discharge Current	12200A(5sec)
Internal Resistance	Approx 0.35 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	600A
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: 212(L) ×576(W) ×770(H) (Total 805 mm)



F10 TERMINAL

### Constant Current Discharge Characteristics: A(25°C)

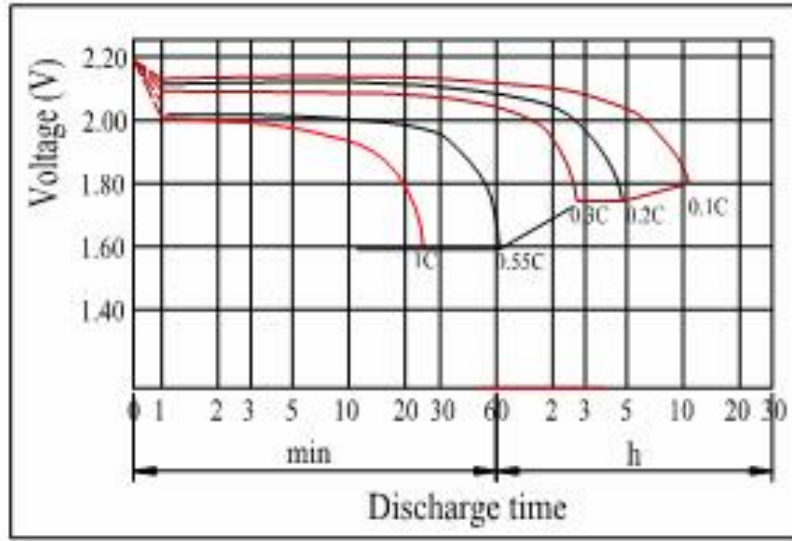
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	20HR
1.65V	3080	2704	2139	1672	1066	797.8	536.8	371.8	311.3	163.4
1.70V	2867	2562	2057	1629	1049	783.4	528.3	367.5	308.5	162.0
1.75V	2554	2348	1945	1561	1023	768.1	520.6	362.3	305.3	160.3
1.80V	2159	2098	1823	1501	989.0	750.9	510.4	356.3	300.0	157.5
1.85V	1755	1732	1566	1338	903.1	690.4	473.6	333.1	281.3	147.7

### Constant Power Discharge Characteristics: W(25°C)

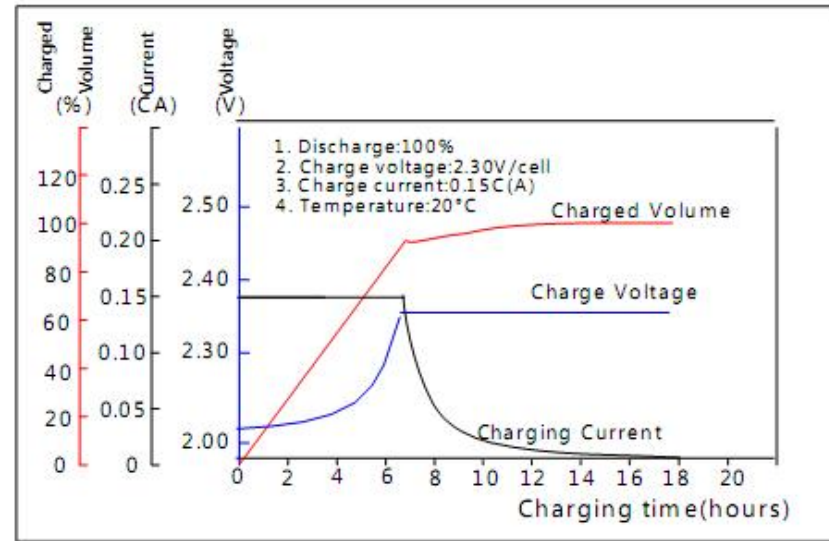
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	5HR	8HR	10HR	20HR
1.65V	5335	4916	3927	3148	2038	1534	1041	730.5	615.5	323.1
1.70V	5058	4727	3815	3088	2004	1509	1033	723.8	610.3	320.5
1.75V	4588	4393	3639	2986	1961	1483	1016	716.1	604.3	318.1
1.80V	3947	3982	3450	2892	1918	1457	998.7	705.6	595.8	312.9
1.85V	3266	3335	2989	2585	1754	1347	930.3	660.2	558.8	293.9

All mentioned values are average values.

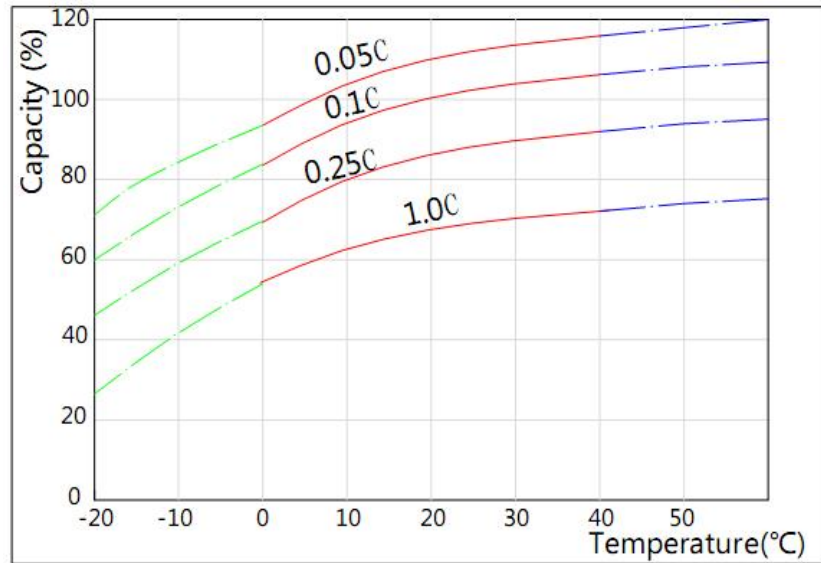
**Discharge Characteristics(25°C)**



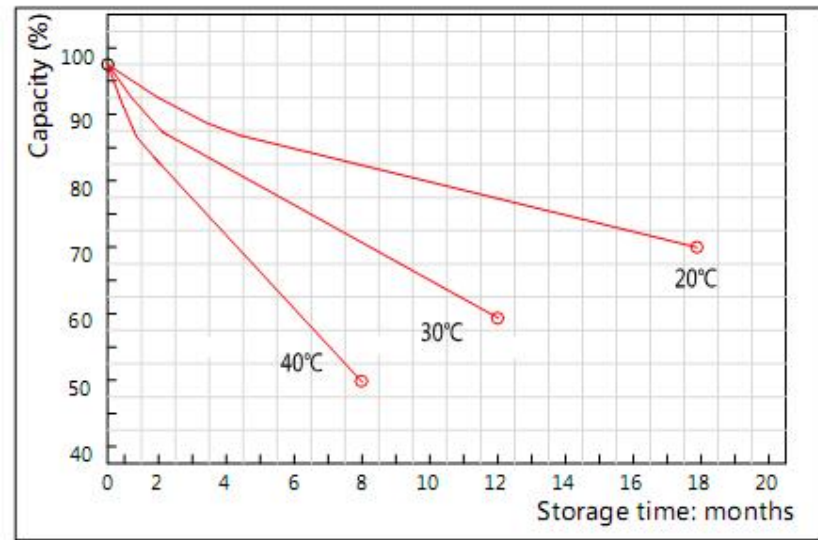
**Charging Characteristics(25°C)**



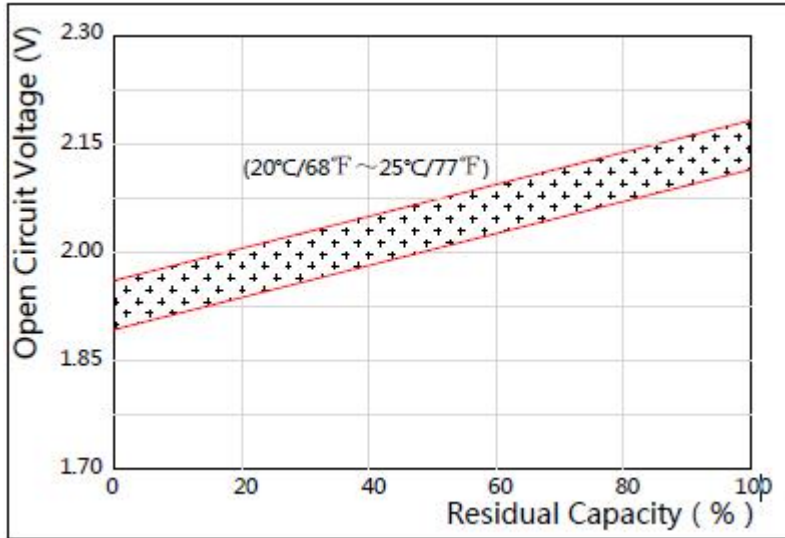
**Effect of Temperature on Capacity**



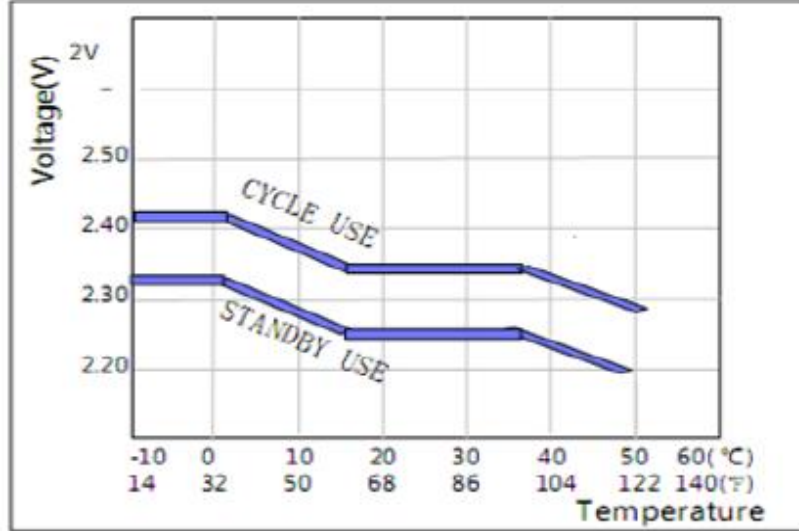
**Self-discharge Characteristics**



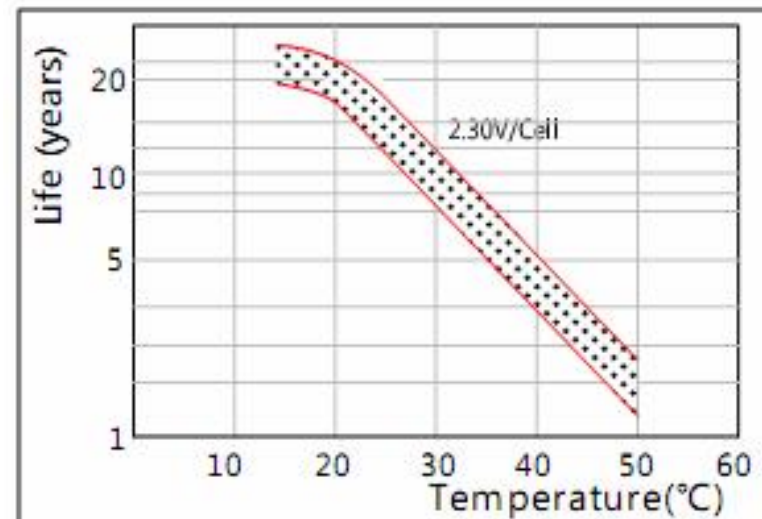
**Open Circuit Voltage and Residual Capacity (25°C)**



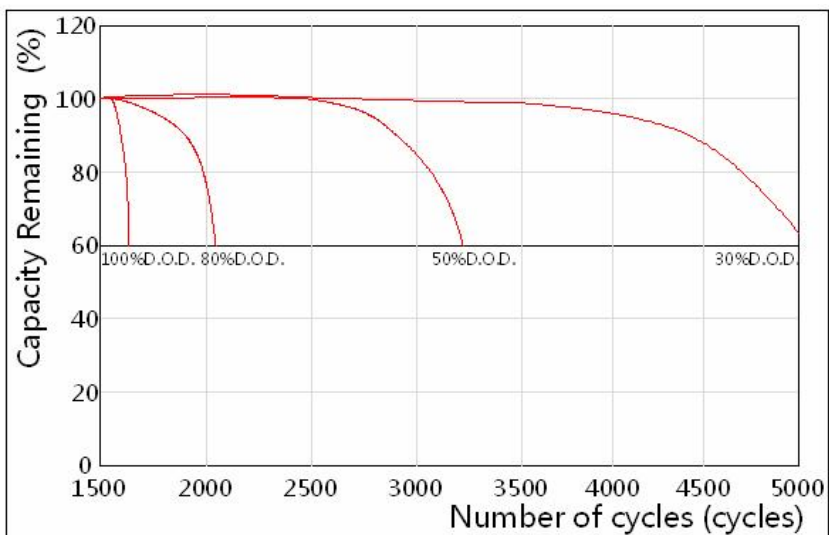
**Charging Voltage and Temperature**



**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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