



Holy Enterprise Limited

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

Specification

OPzV2500-2V2500AH/10HR

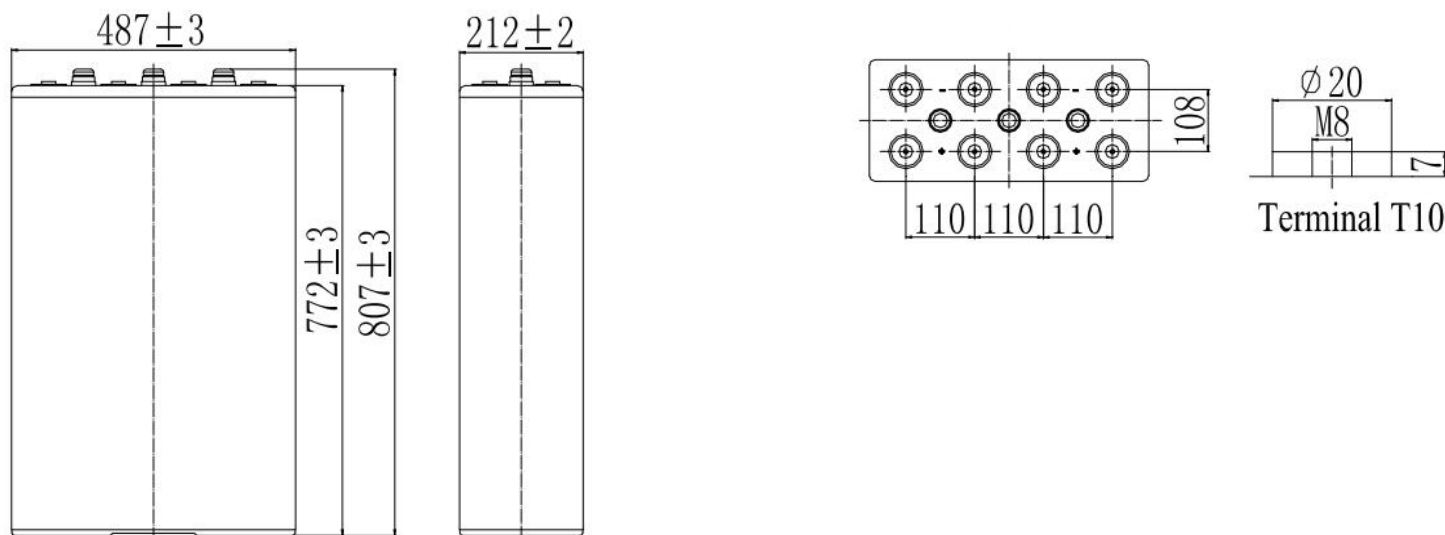
Cells Per Unit	1
Voltage Per Unit	2
Capacity	2500AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx.187kg (Tolerance±3%)
Max. Discharge Current	12500A(5sec)
Internal Resistance	Approx 0.30 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	500A
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: 487(L) ×212(W) ×772(H) (Total 807, mm)



Constant Current Discharge Characteristics: A(25°C)

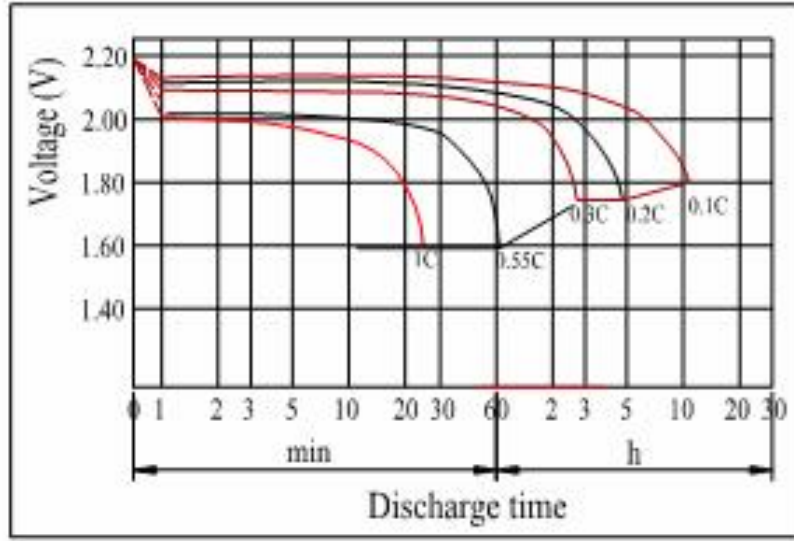
F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	100HR
1.65V	2083	1403	858	660	533	455	390	308	235	135	116	26.2
1.70V	2020	1368	850	655	528	450	388	305	233	134	115	25.7
1.75V	1970	1340	838	650	525	448	385	303	232	130	114	25.2
1.80V	1898	1300	815	630	510	435	373	293	230	133	113	25.0
1.85V	1803	1235	775	598	485	413	355	278	227	126	109	24.7

Constant Power Discharge Characteristics: W(25°C)

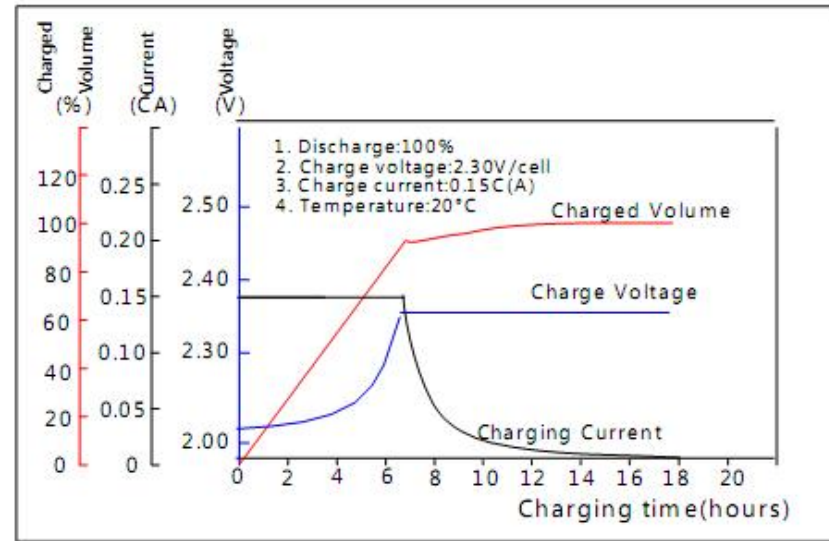
F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	100HR
1.65V	3895	2668	1655	1293	1043	895	770	608	472	270	233	56.9
1.70V	3775	2600	1640	1283	1035	888	765	603	468	268	232	55.8
1.75V	3683	2548	1615	1275	1030	883	758	600	464	266	231	54.3
1.80V	3548	2470	1575	1235	998	855	735	580	462	265	230	53.2
1.85V	3370	2348	1498	1173	948	813	698	550	457	252	219	52.4

All mentioned values are average values.

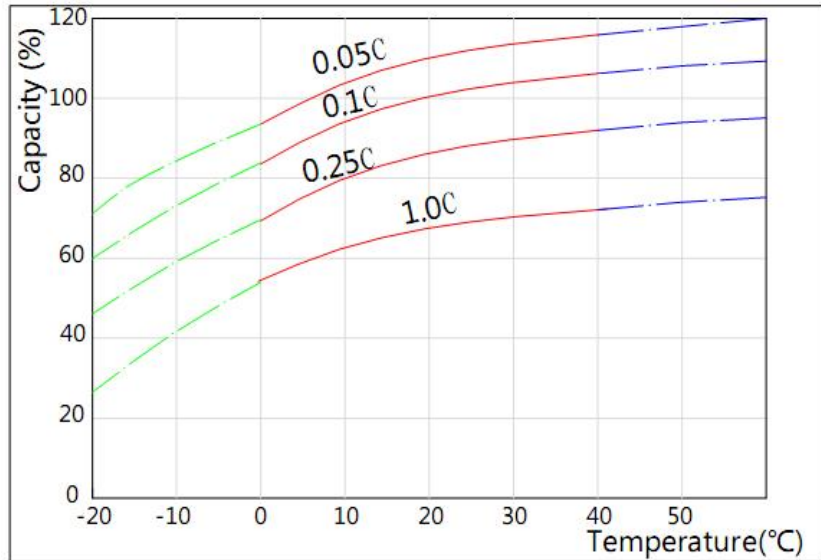
Discharge Characteristics(25°C)



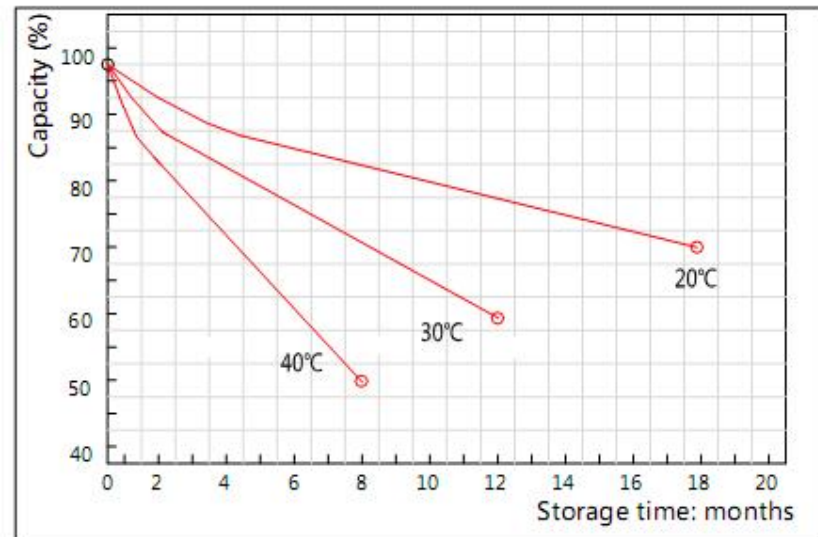
Charging Characteristics(25°C)



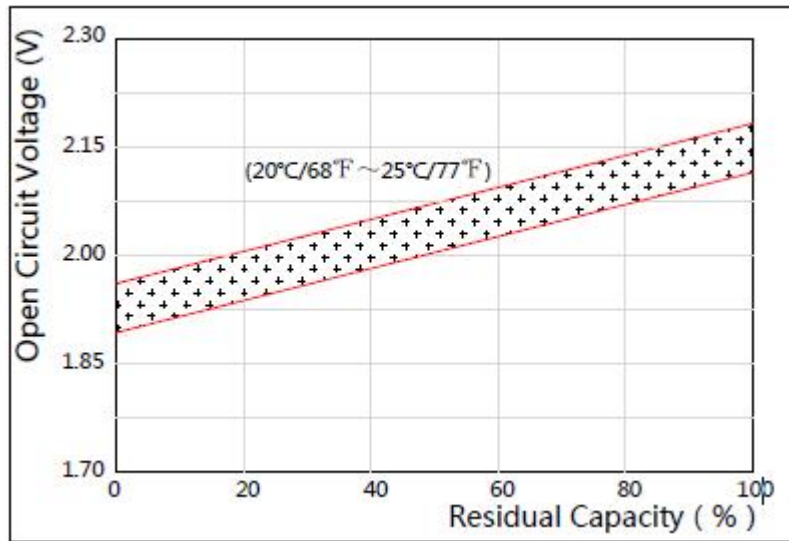
Effect of Temperature on Capacity



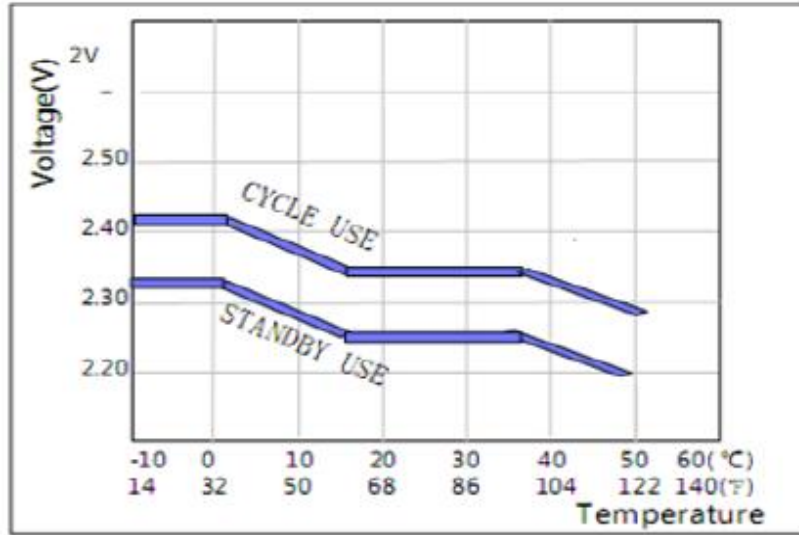
Self-discharge Characteristics



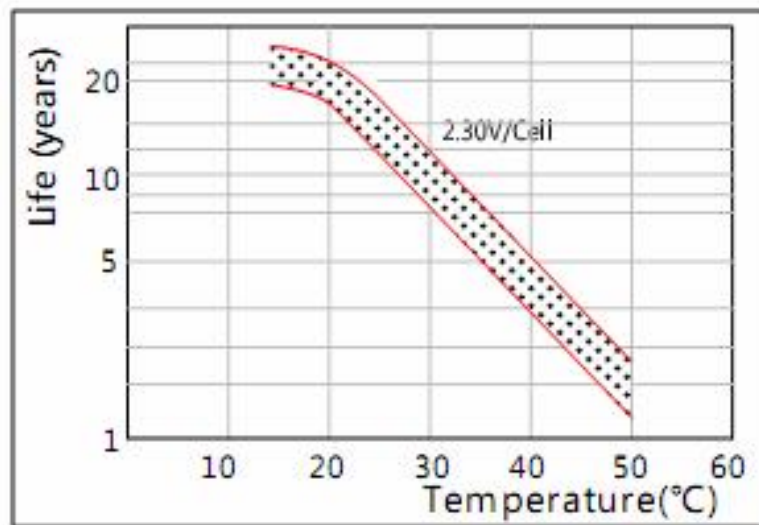
Open Circuit Voltage and Residual Capacity (25°C)



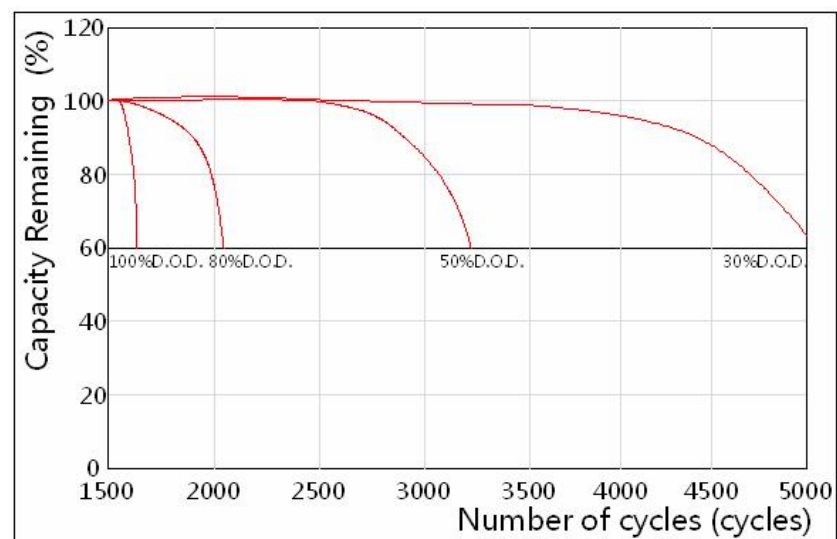
Charging Voltage and Temperature



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

Add: FL.2, No.12 North Ave.1, Industrial Rd. East, Gusan, Guzhen, Zhongshan, Guangdong, China,
T: +86-760- 8862 5562 | **F:** +86-760-8862 5562
Email: sales@holybattery.com johny5@126.com
Website: www.holybattery.com