



Holy Enterprise Limited

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

Specification

6FM-250DC-12V250AH/10HR

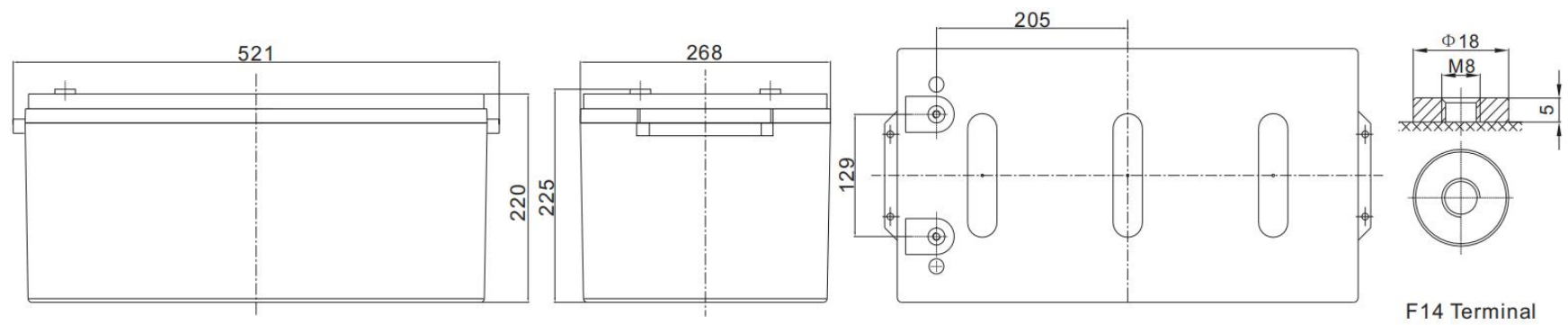
Cells Per Unit	6
Voltage Per Unit	12
Capacity	250AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx.73.2kg (Tolerance±3%)
Max. Discharge Current	2500A(5sec)
Internal Resistance	Approx 3.5mΩ
Operating Temperature Range	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature Range	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit	50A
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: 521(L) ×268(W) ×220(H) (Total 225 mm)



Constant Current Discharge Characteristics: A(25°C)

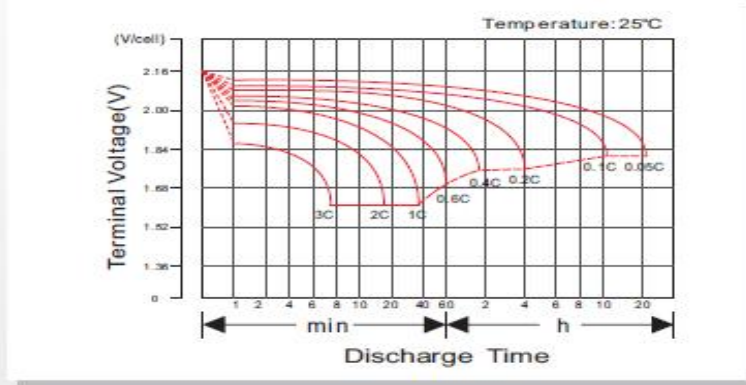
F.V/Time	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.85V/cell	256	170	98.2	60.5	43.7	35.1	31.2	27.0	25.8	20.1	19.4	9.86
1.80V/cell	282	190	103.6	64.5	46.3	37.0	31.7	27.4	26.7	21.3	20.0	10.30
1.75V/cell	300	200	105.9	66.3	47.0	37.9	32.2	27.9	27.6	21.9	20.2	10.50
1.70V/cell	316	204	107.5	67.7	47.5	38.6	32.6	28.3	28.2	22.3	20.2	10.59
1.65V/cell	318	206	108.9	68.5	47.9	38.8	32.8	28.5	28.4	22.4	20.4	10.73

Constant Power Discharge Characteristics: W/Cell(25°C)

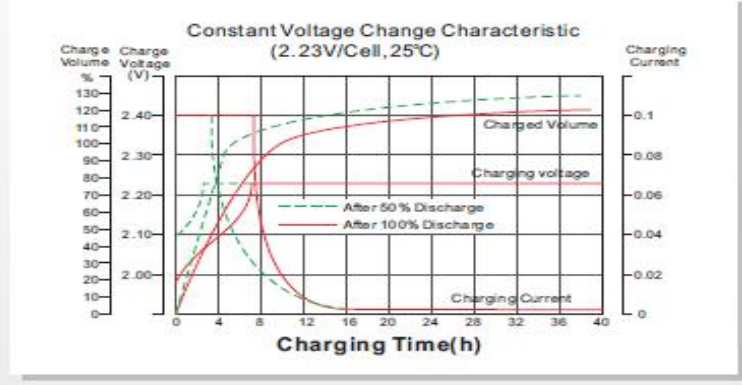
F.V/Time	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.85V/cell	480	328	190	117.3	83.2	67.8	60.0	52.4	49.8	38.7	37.2	18.94
1.80V/cell	522	358	196	122.4	87.9	71.1	60.9	52.6	51.1	41.0	38.2	19.74
1.75V/cell	560	372	198	123.6	88.5	72.1	61.6	53.2	52.6	41.7	38.2	20.04
1.70V/cell	590	376	200	125.6	89.2	73.0	62.0	53.7	53.4	42.1	38.2	20.11
1.65V/cell	596	382	202	127.2	89.7	73.3	62.2	54.0	53.8	42.2	38.4	20.24

All mentioned values are average values.

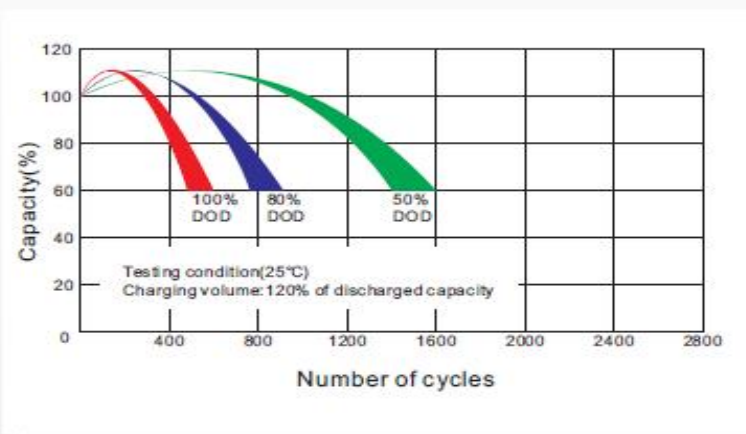
Discharge Characteristics Curve



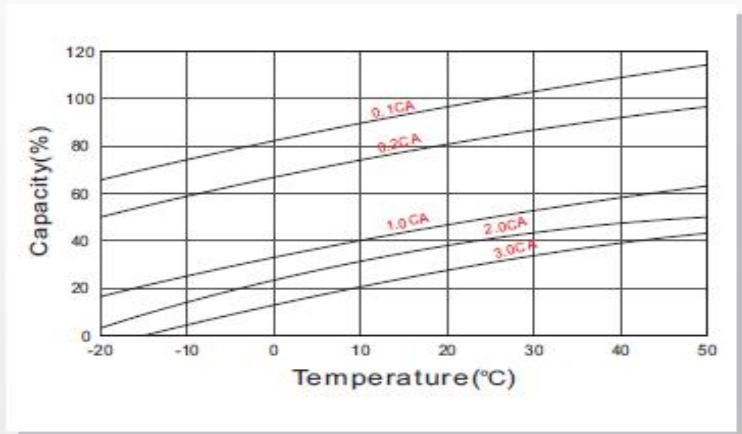
Charging Characteristics Curve



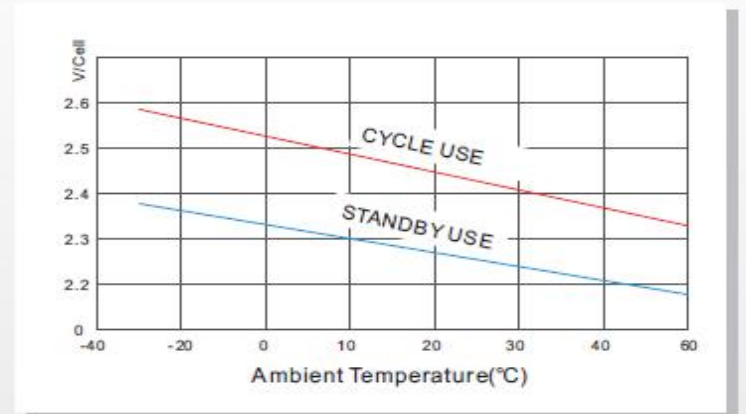
Cycle life in relation to depth of Discharge



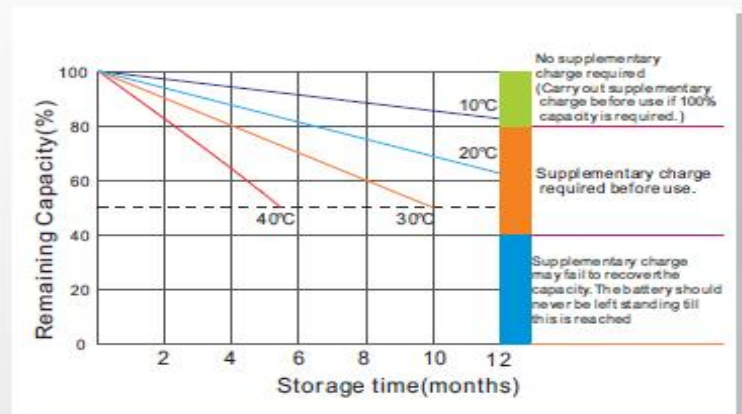
Temperature effects on Capacity



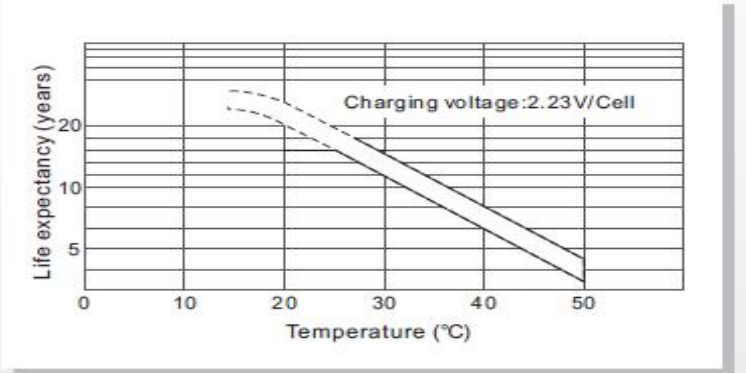
Relationship between charging voltage and temperature



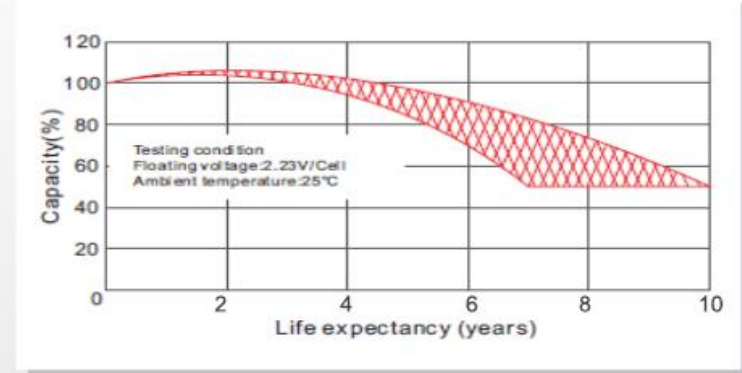
Self-discharge Characteristics



Temperature effects on Float life



Life Characteristics of Standby use



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