



# Holy Enterprise Limited

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

## Specification

6FM-150DC 12V150AH/10HR

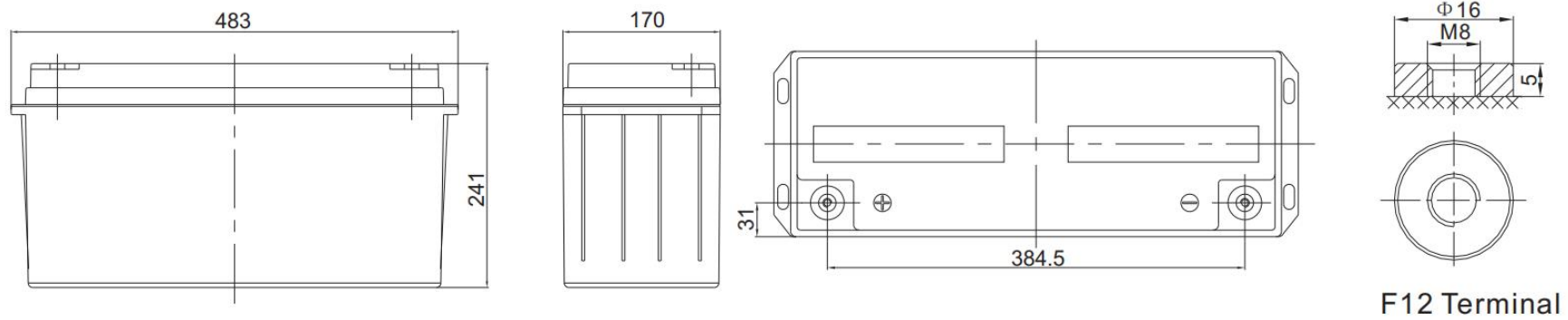
Cells Per Unit	6
Voltage Per Unit	12
Capacity	150AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx.48kg (Tolerance±3%)
Max. Discharge Current	1500A(5sec)
Internal Resistance	Approx 5 mΩ
Operating Temperature Range	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature Range	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit	37.5A
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: 483(L) ×170(W) ×241(H) (Total 241 mm)



F12 Terminal

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

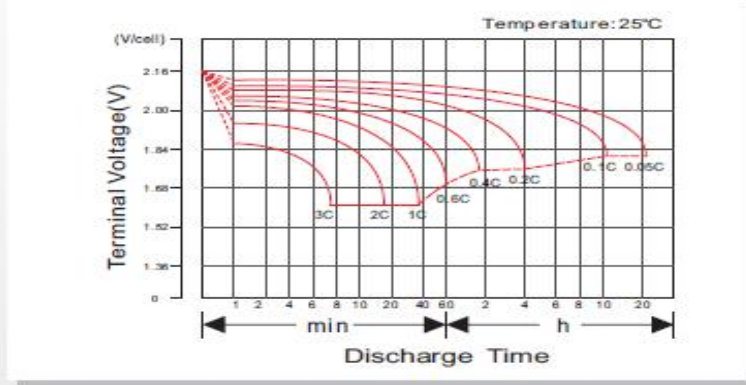
F.V/Time	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.85V/cell	192	128	73.6	45.4	32.7	26.3	23.4	20.3	19.3	15.1	14.6	7.40
1.80V/cell	212	143	77.7	48.4	34.8	27.8	23.8	20.6	20.0	16.0	15.0	7.73
1.75V/cell	225	150	79.4	49.7	35.3	28.4	24.2	21.0	20.7	16.4	15.2	7.87
1.70V/cell	237	153	80.7	50.7	35.7	29.0	24.4	21.2	21.2	16.7	15.2	7.94
1.65V/cell	239	155	81.6	51.4	35.9	29.1	24.6	21.4	21.3	16.8	15.3	8.05

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

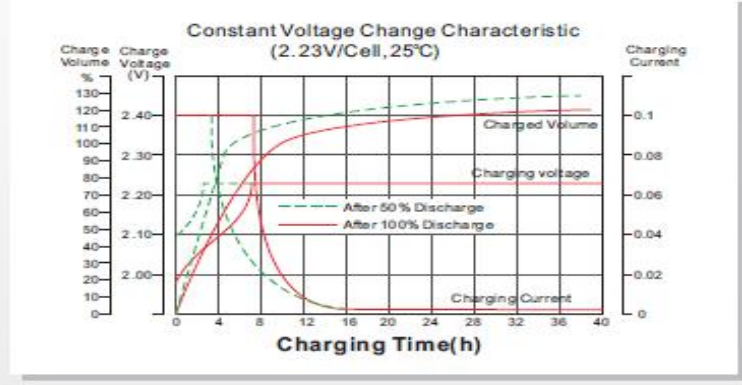
F.V/Time	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.85V/cell	360	246	143	88.0	62.4	50.8	45.0	39.3	37.4	29.0	27.9	14.21
1.80V/cell	392	269	147	91.8	65.9	53.3	45.7	39.5	38.3	30.8	28.7	14.81
1.75V/cell	420	279	149	92.7	66.4	54.1	46.2	39.9	39.5	31.3	28.7	15.03
1.70V/cell	443	282	150	94.2	66.9	54.7	46.5	40.3	40.1	31.5	28.7	15.08
1.65V/cell	447	287	152	95.4	67.3	55.0	46.7	40.5	40.4	31.7	28.8	15.18

All mentioned values are average values.

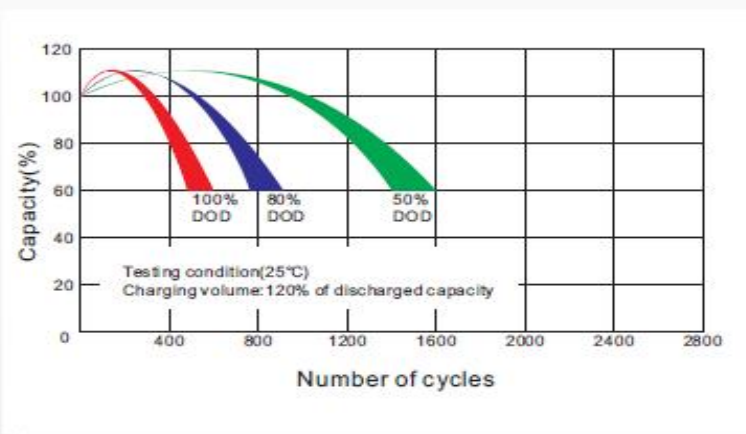
### Discharge Characteristics Curve



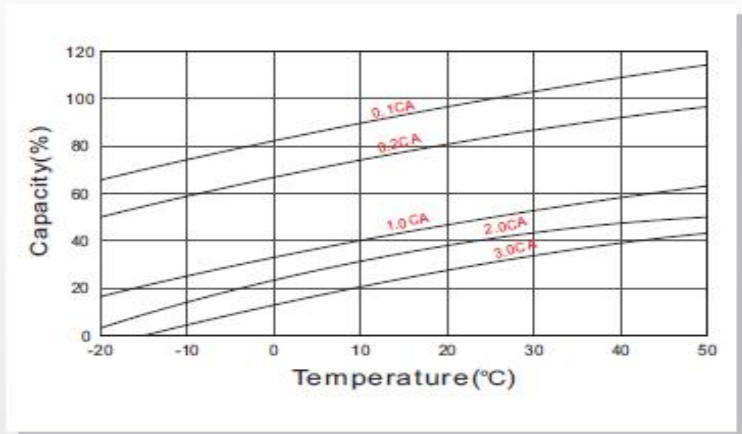
### Charging Characteristics Curve



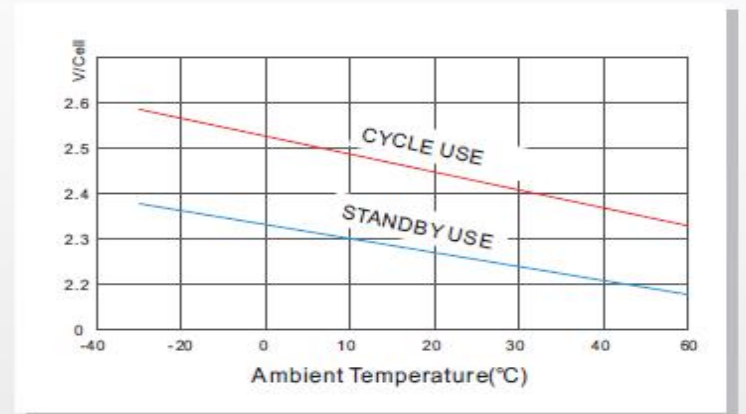
### Cycle life in relation to depth of Discharge



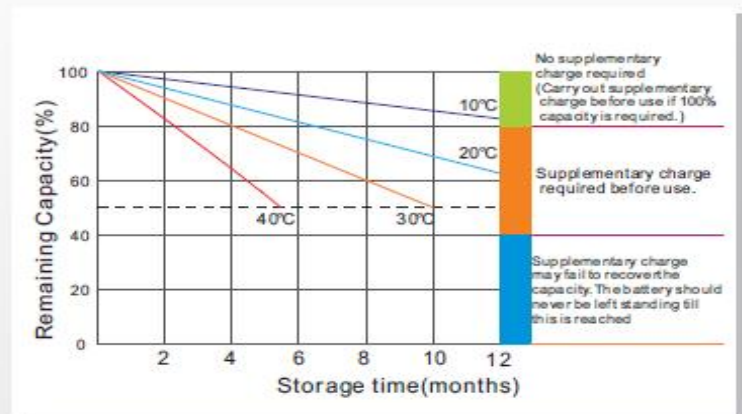
### Temperature effects on Capacity



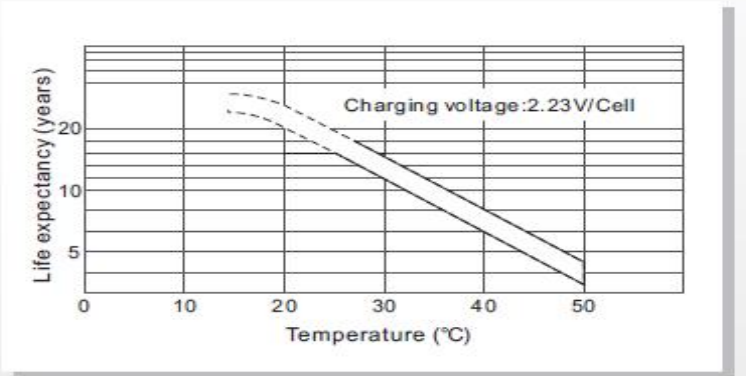
### Relationship between charging voltage and temperature



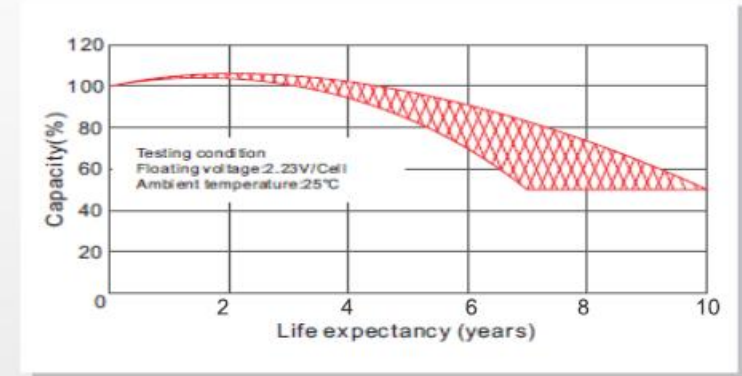
### Self-discharge Characteristics



### 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

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