



# Holy Enterprise Limited

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

## Specification

6-GFM-150 12V150AH/10HR

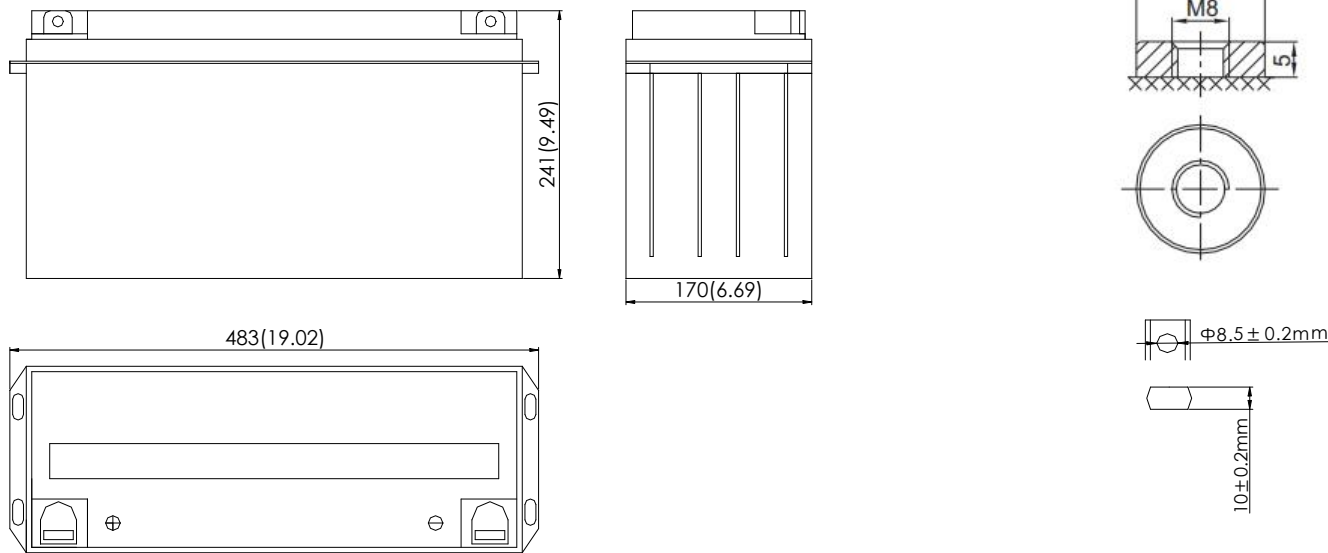
Cells Per Unit	6
Voltage Per Unit	12
Capacity	150AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx.42.0kg (Tolerance±3%)
Max. Discharge Current	1000 A(5sec)
Internal Resistance	Approx.4.5 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	37.5A
Equalization and Cycle service	2.35 to 2.40 VDC /unit Average at 25°C
Terminal	Terminal: NB/B



## Application

Alarm Systems  
Electronic Toys  
Medical Equipment  
Cable Television  
Communications Equipment  
Electronic Cash Registers  
Electric Test Equipment  
Emergency lighting Systems  
UPS

Dimension: 483(L) ×170 (W) ×241 (H) (Total 241 mm)



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

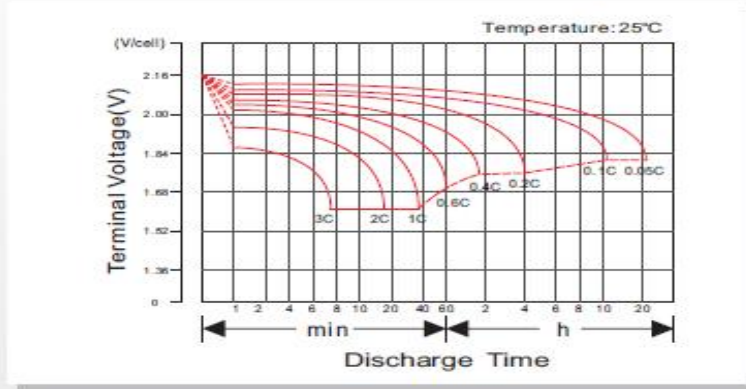
F.V/Time	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	232.8	201.3	135.0	79.3	47.6	37.5	29.8	25.5	17.9	15.0	7.87
1.75V/cell	257.1	218.0	141.2	82.5	49.3	38.7	30.7	26.2	18.3	15.2	7.95
1.70V/cell	280.9	234.2	147.7	85.6	51.1	39.9	31.5	26.8	18.5	15.4	8.05
1.65V/cell	305.1	250.1	154.6	88.5	52.9	41.0	32.4	27.6	18.8	15.6	8.15
1.60V/cell	322.9	261.6	161.0	91.6	54.6	42.3	33.3	28.3	19.0	15.8	8.28

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

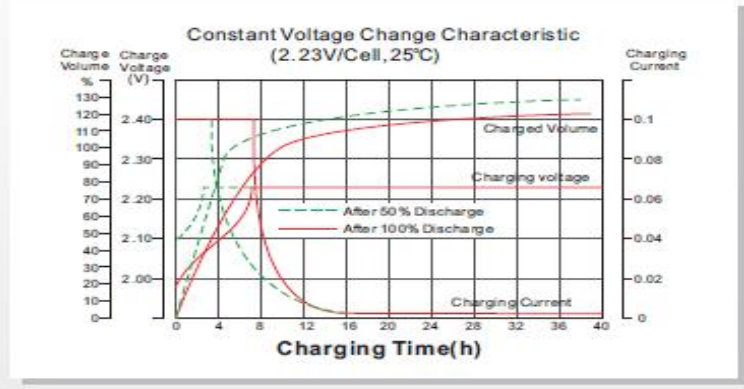
F.V/Time	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	2552.4	2236.8	1531.8	916.2	552.0	436.8	348.0	299.4	212.4	177.6	93.6
1.75V/cell	2770.8	2389.2	1587.0	946.8	569.4	449.4	357.0	306.0	215.4	180.0	94.2
1.70V/cell	2973.6	2530.2	1643.4	976.8	587.4	460.8	365.4	312.6	217.8	181.8	95.4
1.65V/cell	3172.2	2661.6	1702.2	1003.8	604.2	471.6	373.8	319.8	220.8	184.8	96.6
1.60V/cell	3293.4	2743.8	1754.4	1033.2	621.0	484.8	382.8	327.0	222.6	186.6	97.8

All mentioned values are average values.

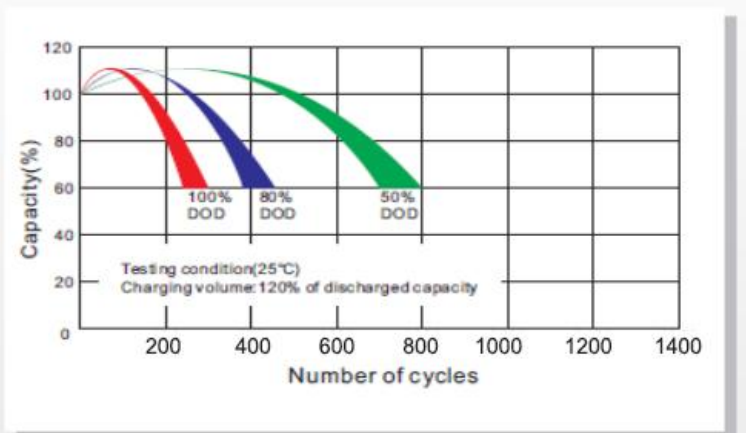
### Discharge Characteristics Curve



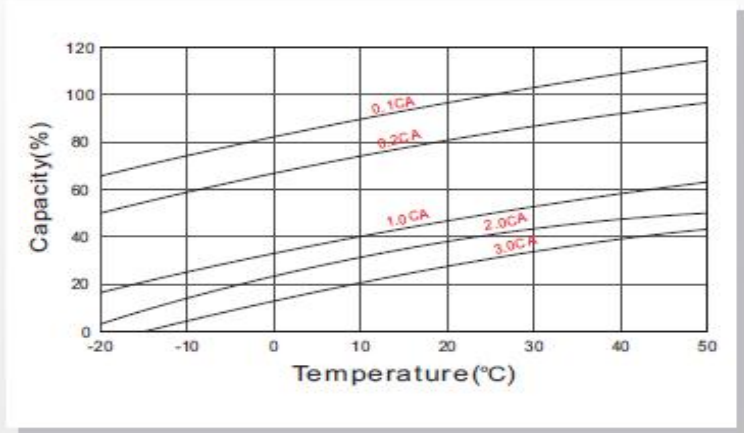
### Charging Characteristics Curve



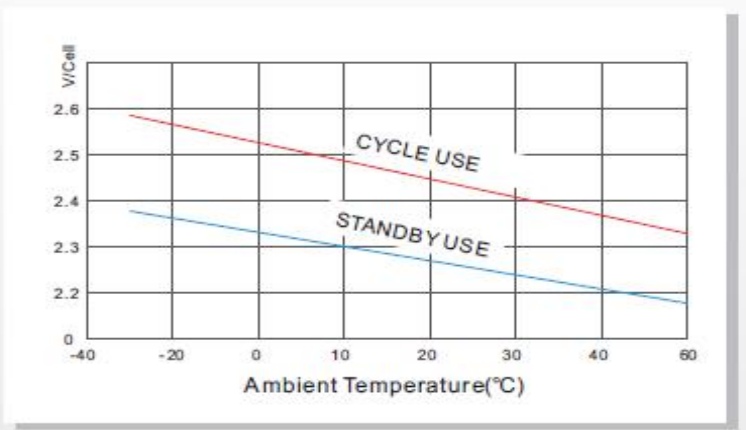
### Cycle life in relation to depth of Discharge



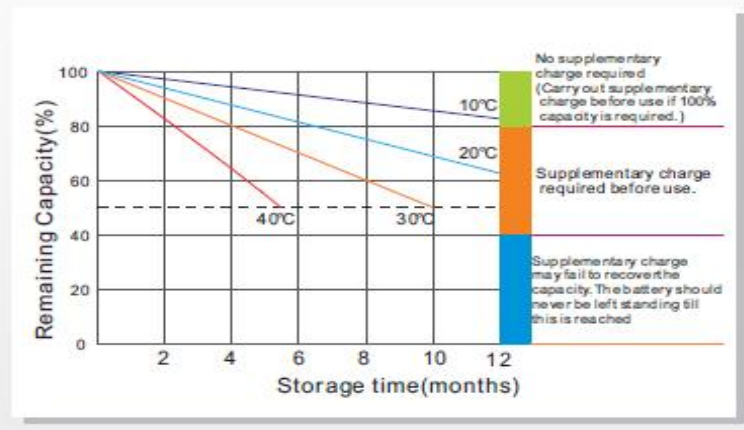
### Temperature effects on Capacity



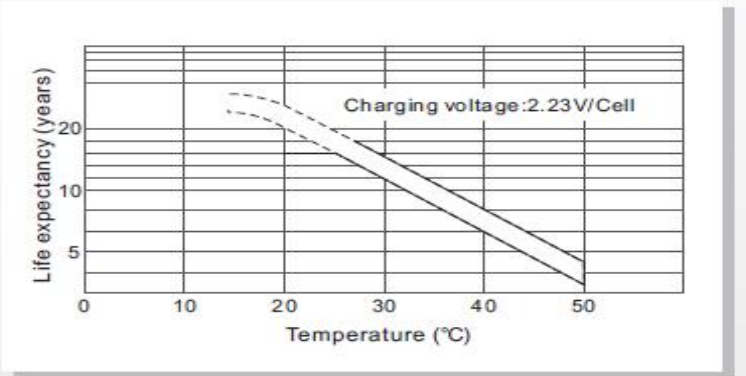
### Relationship between charging voltage and temperature



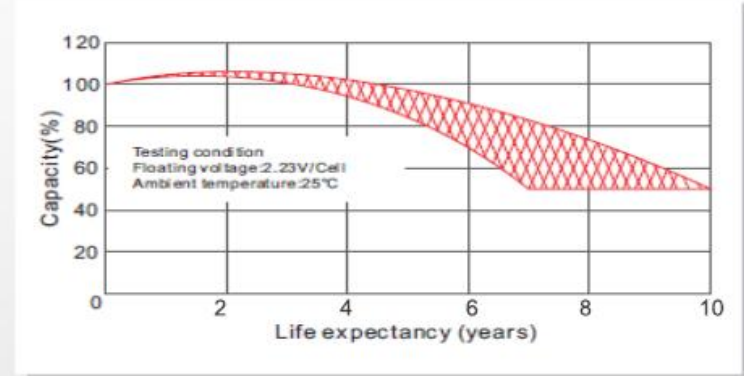
### Self-discharge Characteristics



### 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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