



# Holy Enterprise Limited

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

## Specification

6-GFM-250 12V250AH/10HR

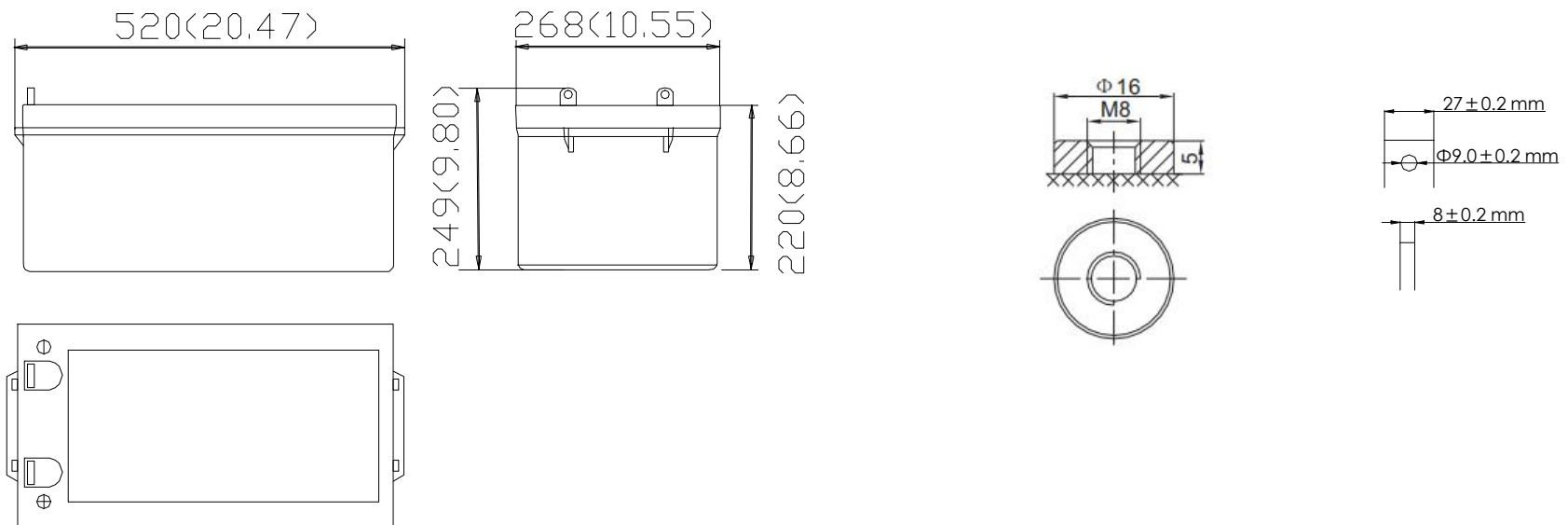
Cells Per Unit	6
Voltage Per Unit	12
Capacity	250AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx: 71KG (Tolerance±3%)
Max. Discharge Current	2500 A(5sec)
Internal Resistance	Approx.: 3.0 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	75.0A
Equalization and Cycle service	2.35 to 2.40 VDC /unit Average at 25°C
Terminal	Terminal: B/NB



## Application

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

Dimension: 520(L) ×268 (W) ×220 (H) (Total 225/249 mm)



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

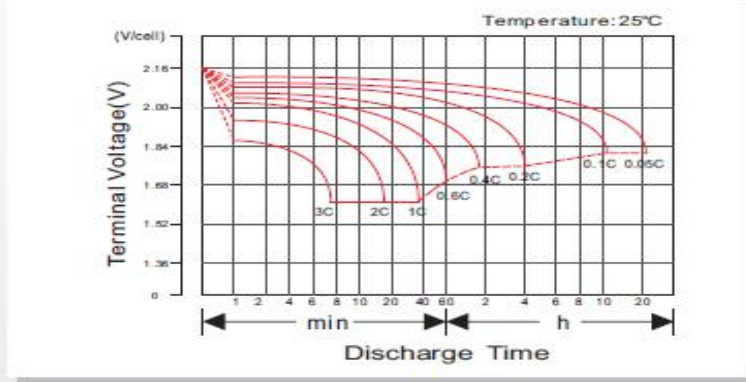
F.V/Time	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	343.1	236.3	137.5	82.4	65.0	51.6	44.2	31.1	26.0	13.6
1.75V/cell	371.6	247.2	143.0	85.5	67.1	53.2	45.4	31.6	26.3	13.8
1.70V/cell	399.3	258.7	148.4	88.6	69.1	54.6	46.5	32.1	26.7	13.9
1.65V/cell	426.3	270.6	153.4	91.6	71.1	56.1	47.8	32.6	27.1	14.1
1.60V/cell	445.9	281.9	158.9	94.6	73.3	57.6	49.1	33.0	27.4	14.3

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

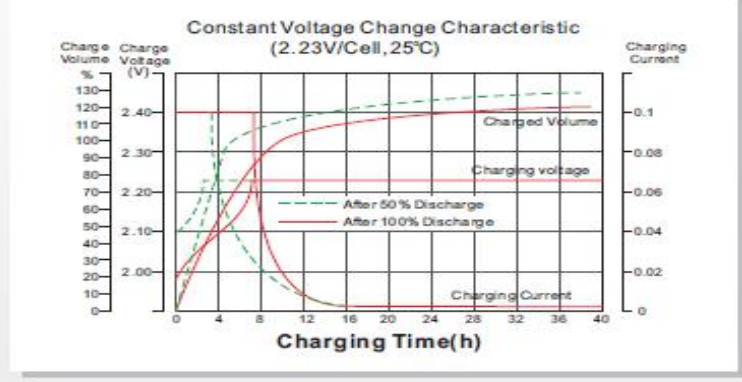
F.V/Time	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	3813.6	2682.0	1588.2	956.4	757.8	603.6	518.4	367.8	308.4	162.0
1.75V/cell	4072.8	2778.0	1641.6	987.0	778.8	619.2	530.4	373.2	312.0	163.2
1.70V/cell	4313.4	2877.0	1693.8	1018.2	799.2	633.0	542.4	378.0	315.6	165.0
1.65V/cell	4537.8	2980.2	1739.4	1047.0	817.8	648.6	554.4	382.8	319.8	166.8
1.60V/cell	4677.0	3072.0	1791.0	1076.4	840.6	664.2	567.6	386.4	323.4	169.2

All mentioned values are average values.

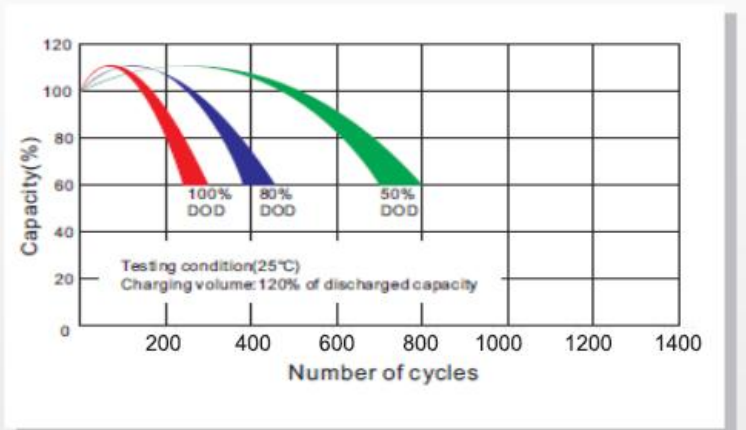
### Discharge Characteristics Curve



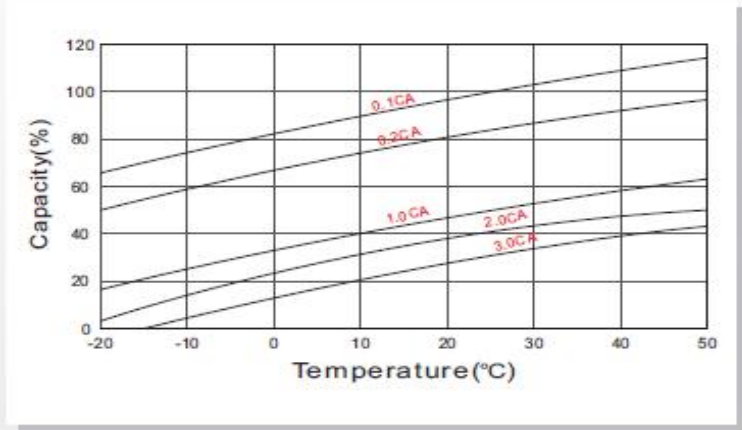
### Charging Characteristics Curve



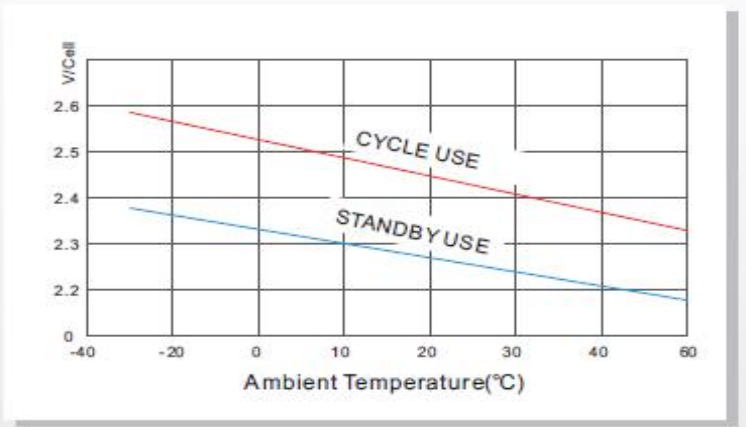
### Cycle life in relation to depth of Discharge



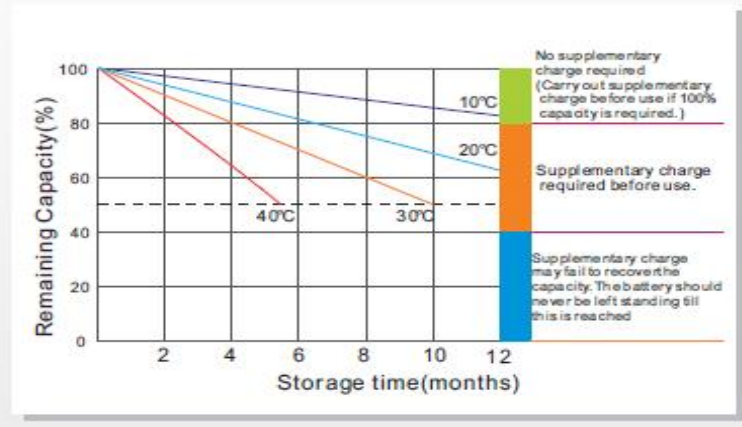
### Temperature effects on Capacity



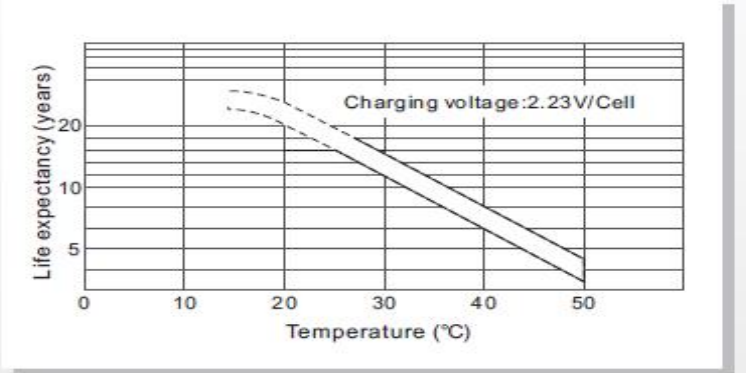
### Relationship between charging voltage and temperature



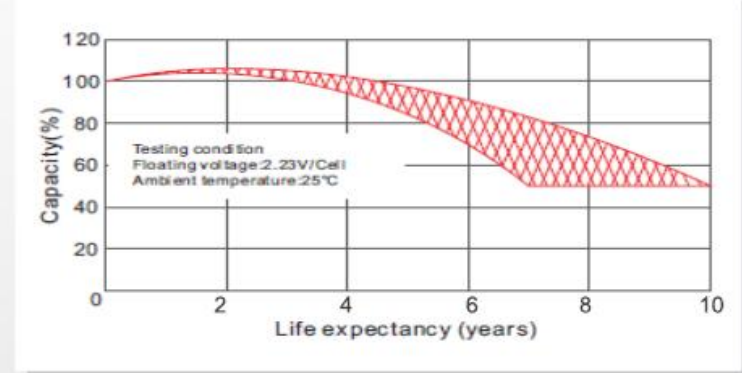
### Self-discharge Characteristics



### 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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