



# Holy Enterprise Limited

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

## Specification

6-FM-65 12V65AH/20HR

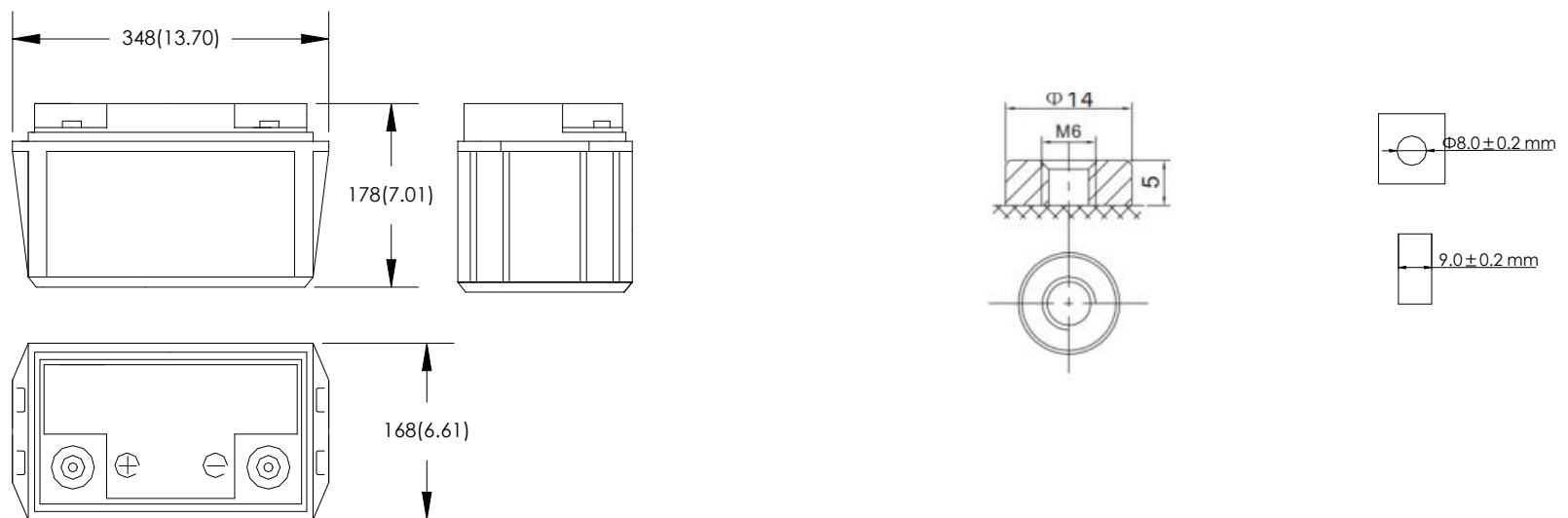
Cells Per Unit	6
Voltage Per Unit	12
Capacity	65AH@20hr-rate to 1.8V per cell @ 25°C
Weight	Approx.21.0kg (Tolerance±3%)
Max. Discharge Current	650 A(5sec)
Internal Resistance	Approx 8.0 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	16.5A
Equalization and Cycle service	2.35 to 2.40 VDC /unit Average at 25°C
Terminal	Terminal: NB/B



## Application

Uninterruptible Power System;  
Communication Equipments;  
Solar Power Systems;  
Solar Power Street Light;  
Wind Power Systems  
UPS

Dimension: 348(L) ×168 (W) ×178 (H) (Total 212 mm)



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

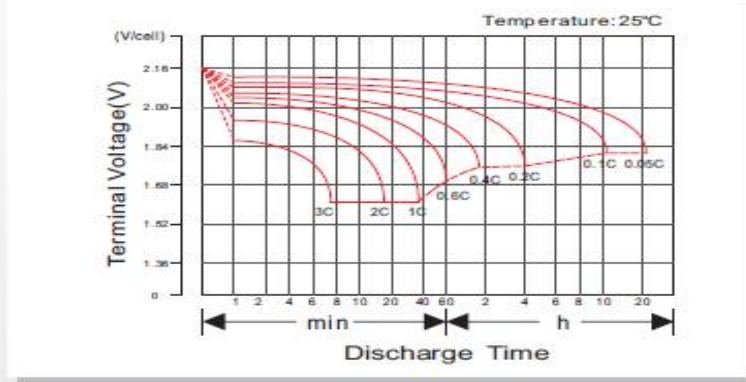
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	166.3	123.9	105.8	71.67	40.3	24.25	16.71	13.85	11.67	7.974	6.629	3.411
1.75V/cell	184.3	135.8	114.7	72.92	41.28	24.7	17.18	14.19	11.88	8.109	6.695	3.478
1.70V/cell	205.2	147.2	120.5	73.47	41.67	24.89	17.25	14.32	12.02	8.176	6.761	3.545
1.65V/cell	211.5	152.6	122.4	74.86	42.06	25.08	17.38	14.39	12.1	8.244	6.828	3.612
1.60V/cell	217.8	160.4	125	76.18	42.25	25.27	17.45	14.45	12.17	8.312	6.894	3.678

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

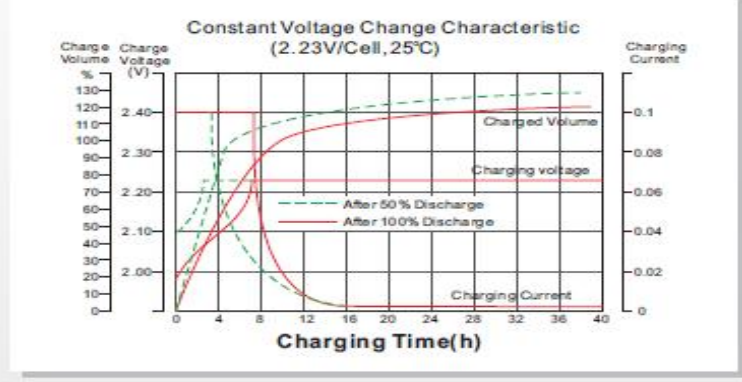
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	1846	1383	1169	819.2	470.1	288.6	200.4	166.2	140.0	95.69	79.54	40.93
1.75V/cell	2027	1501	1265	832.5	478.9	292.3	206.0	170.1	142.6	97.31	80.34	41.73
1.70V/cell	2227	1612	1326	838.3	483.3	294.4	206.8	171.7	144.3	98.12	81.14	42.54
1.65V/cell	2252	1655	1341	844.3	487.1	296.2	207.7	172.1	144.8	98.76	81.86	43.34
1.60V/cell	2298	1708	1363	854.8	488.2	297.8	207.6	172.3	145.2	99.24	82.38	44.10

All mentioned values are average values.

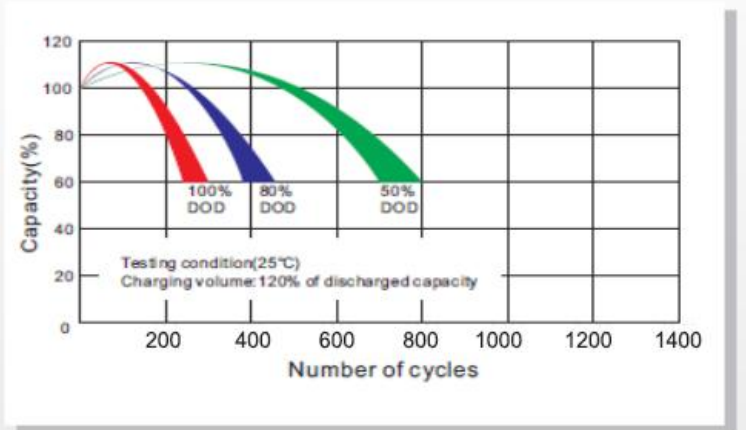
### Discharge Characteristics Curve



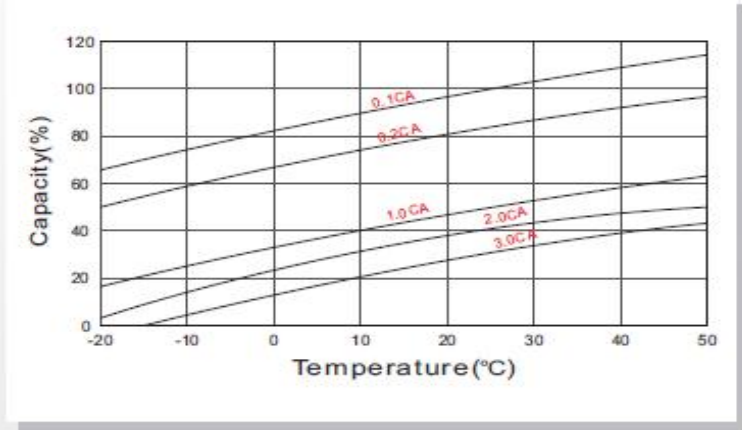
### Charging Characteristics Curve



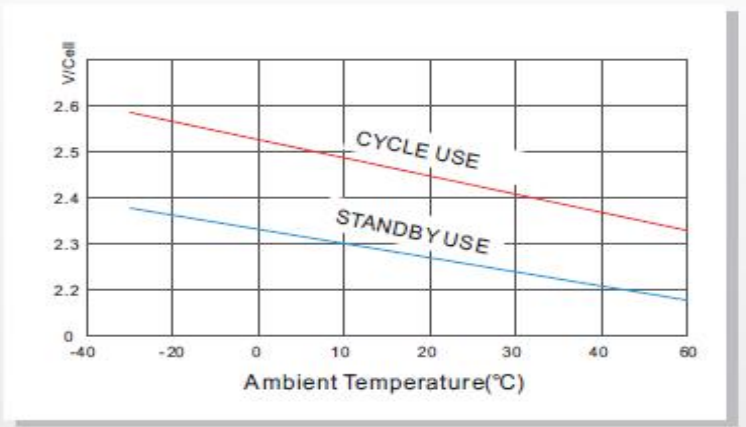
### Cycle life in relation to depth of Discharge



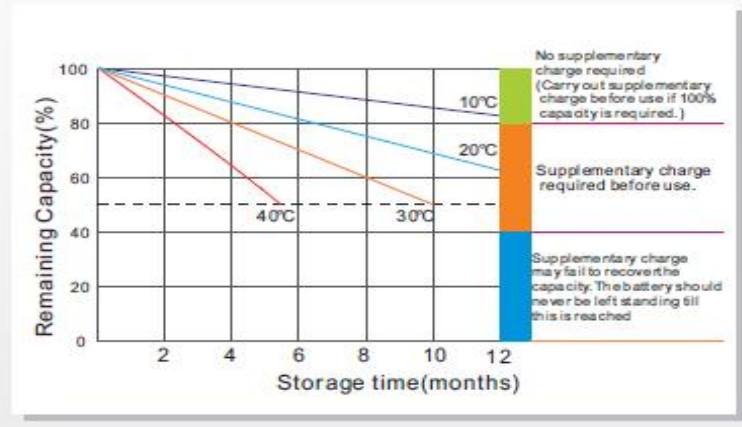
### Temperature effects on Capacity



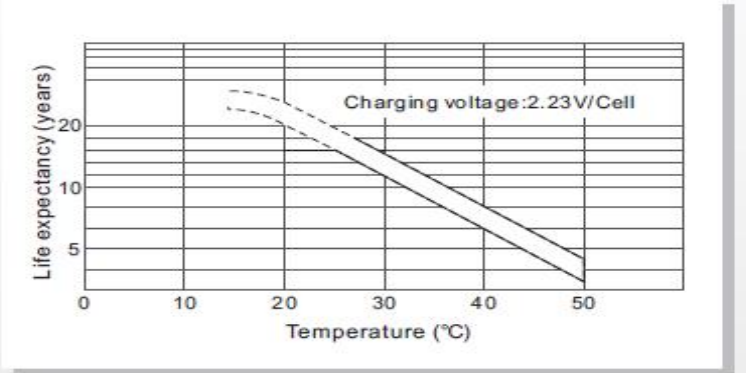
### Relationship between charging voltage and temperature



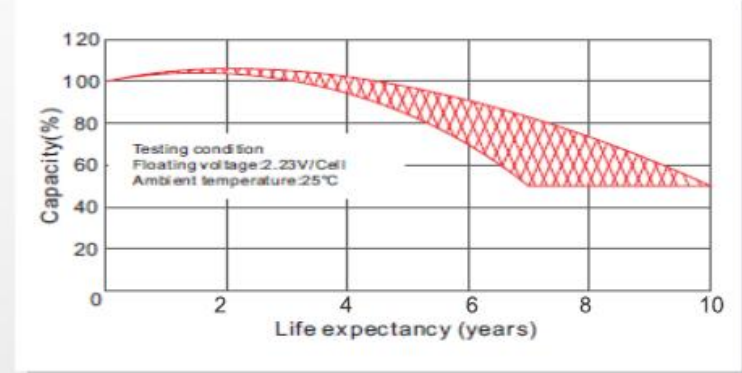
### Self-discharge Characteristics



### 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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