



Holy Enterprise Limited

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

Specification

6FM-65DC 12V65AH/20HR

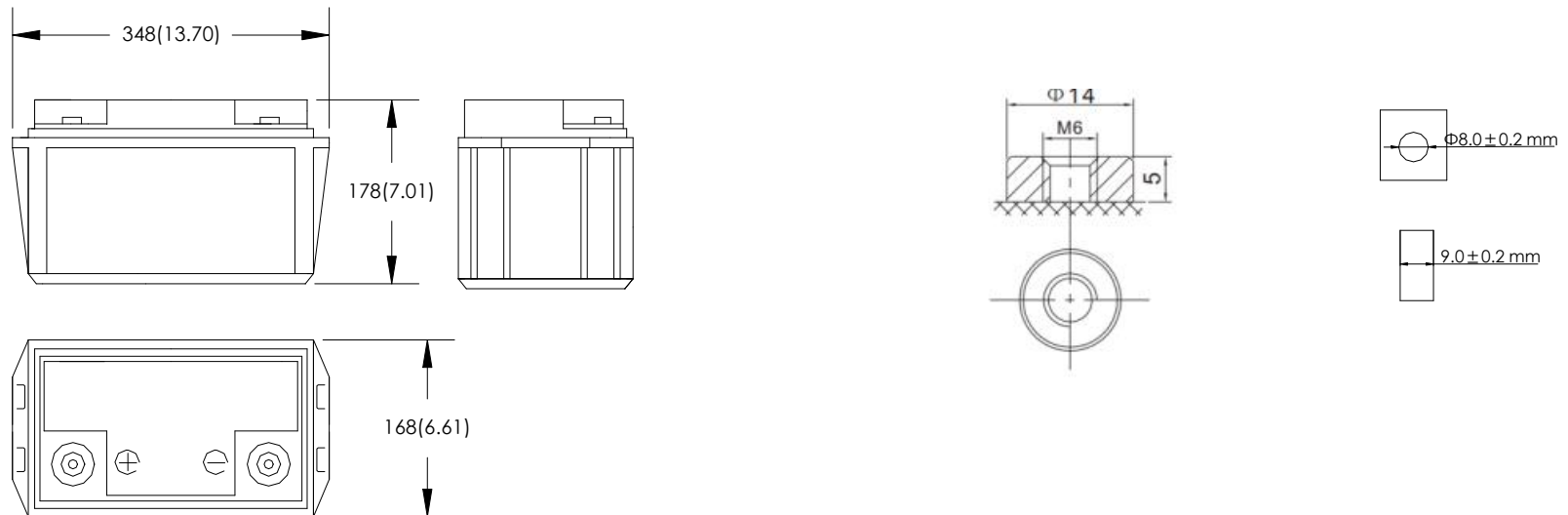
Cells Per Unit	6
Voltage Per Unit	12
Capacity	65AH@20hr-rate to 1.8V per cell @ 25°C
Weight	Approx.21.0kg (Tolerance±3%)
Max. Discharge Current	650 A(5sec)
Internal Resistance	Approx 8.0 mΩ
Operating Temperature Range	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature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

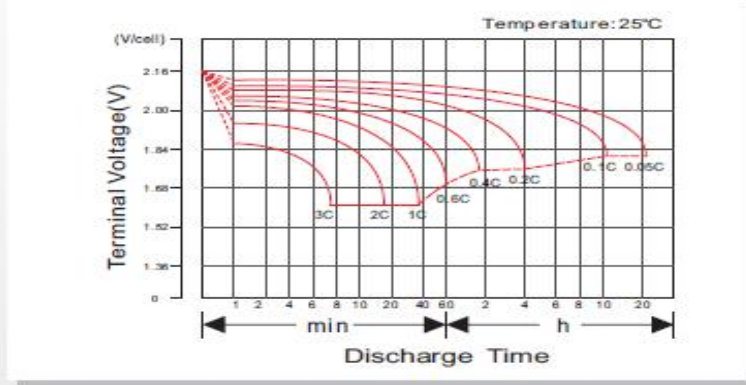
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	166.3	123.9	105.8	71.67	40.3	24.25	16.71	13.85	11.67	7.974	6.629	3.411
1.75V/cell	184.3	135.8	114.7	72.92	41.28	24.7	17.18	14.19	11.88	8.109	6.695	3.478
1.70V/cell	205.2	147.2	120.5	73.47	41.67	24.89	17.25	14.32	12.02	8.176	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)

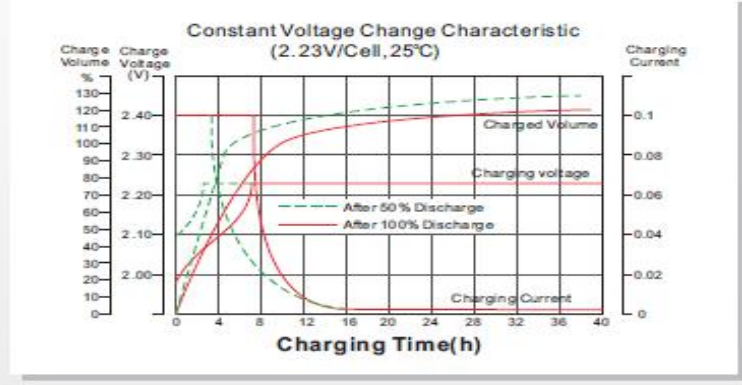
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	1846	1383	1169	819.2	470.1	288.6	200.4	166.2	140.0	95.69	79.54	40.93
1.75V/cell	2027	1501	1265	832.5	478.9	292.3	206.0	170.1	142.6	97.31	80.34	41.73
1.70V/cell	2227	1612	1326	838.3	483.3	294.4	206.8	171.7	144.3	98.12	81.14	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.

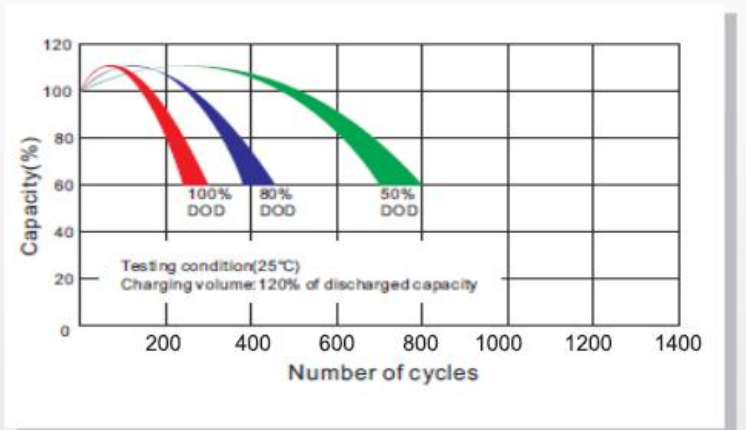
Discharge Characteristics Curve



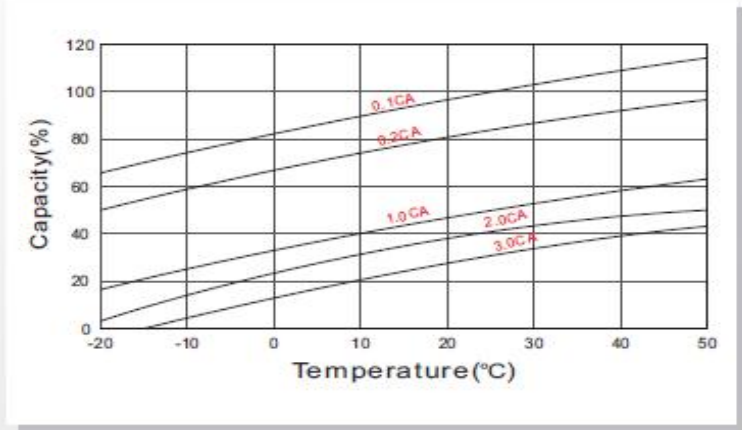
Charging Characteristics Curve



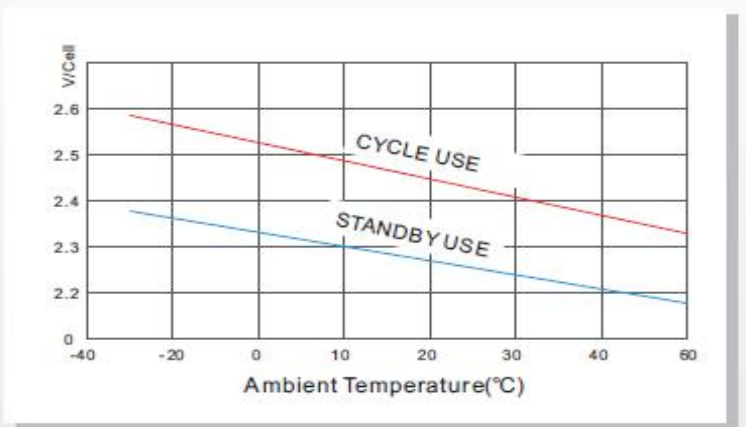
Cycle life in relation to depth of Discharge



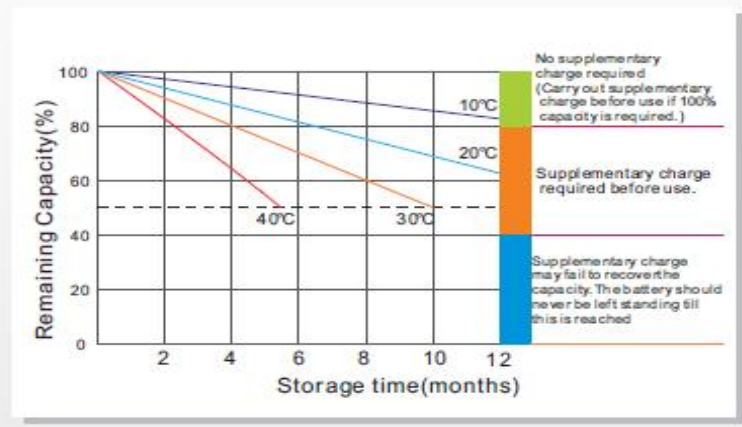
Temperature effects on Capacity



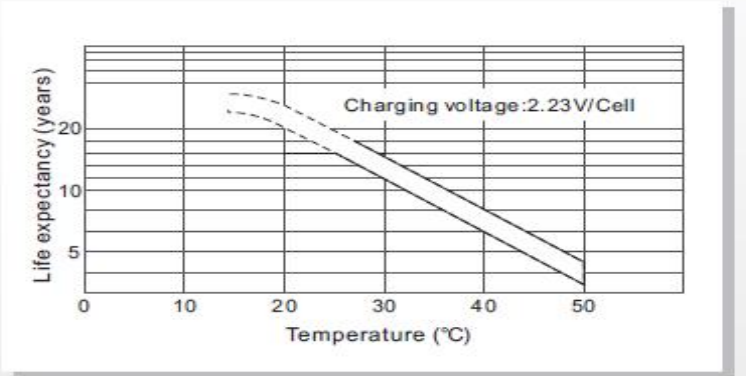
Relationship between charging voltage and temperature



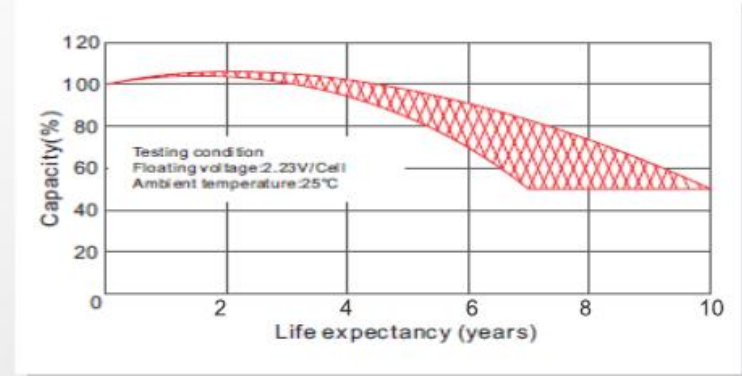
Self-discharge Characteristics



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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