



Holy Enterprise Limited

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

Specification

6FM-200DC 12V200AH/10HR

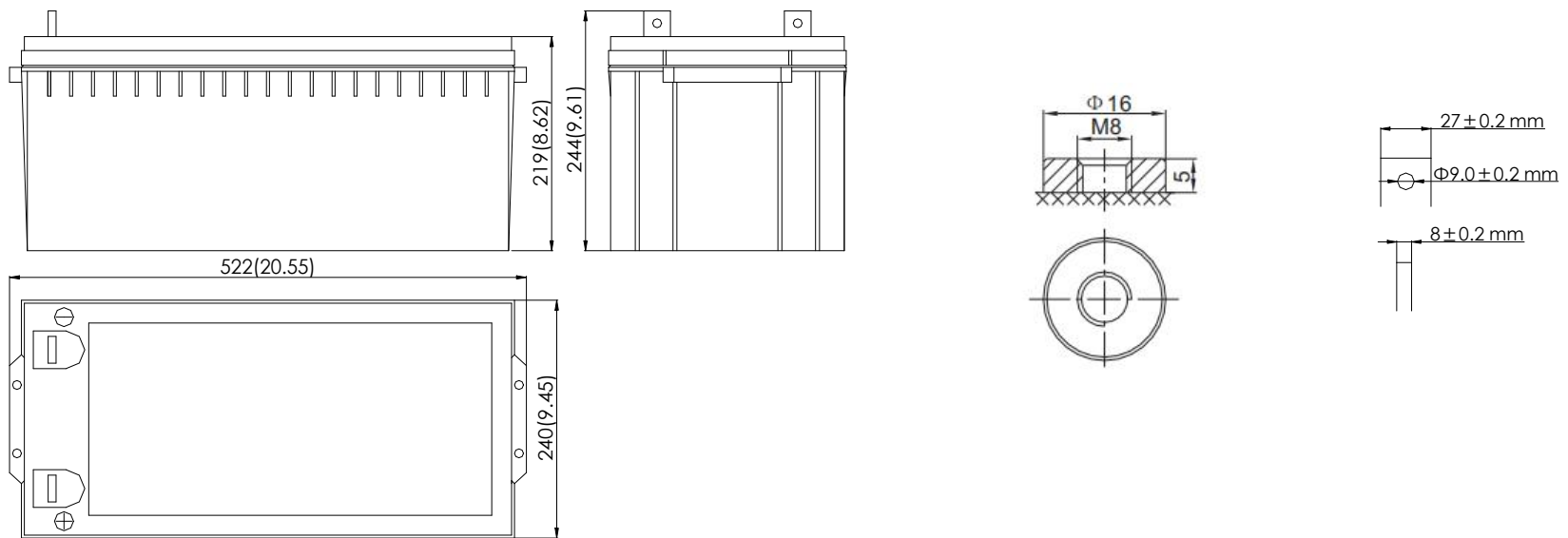
Cells Per Unit	6
Voltage Per Unit	12
Capacity	200AH@10hr-rate to 1.8V per cell @ 25°C
Weight	Approx: 60KG (Tolerance±3%)
Max. Discharge Current	2000 A(5sec)
Internal Resistance	Approx.: 3.8 mΩ
Operating Temperature Range	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	50.0A
Equalization and Cycle service	2.35 to 2.40 VDC /unit Average at 25°C
Terminal	Terminal: B/NB



Application

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

Dimension: 522(L) ×240 (W) ×219 (H) (Total 224/244 mm)



Constant Current Discharge Characteristics: A(25°C)

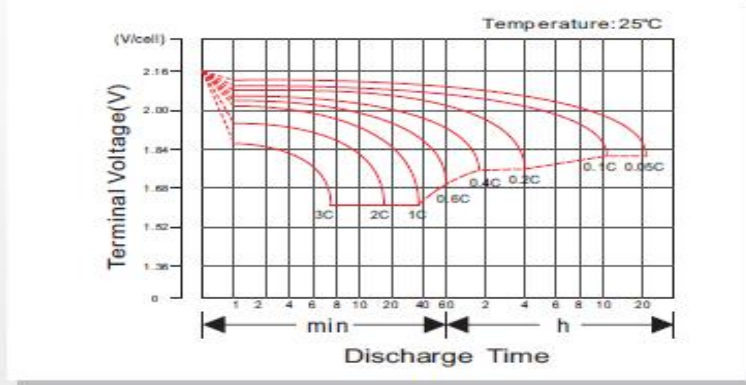
F.V/Time	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	305.3	259.2	175.6	105.1	63.20	50.00	39.48	34.00	22.79	19.05	9.90
1.75V/cell	335.5	283.1	182.3	110.0	65.44	50.96	40.42	34.45	23.17	19.24	10.00
1.70V/cell	365.7	302.2	189.8	113.6	68.05	52.31	41.56	35.43	23.55	19.43	10.18
1.65V/cell	394.5	321.4	200.2	117.3	69.92	54.62	42.88	36.42	23.93	19.81	10.31
1.60V/cell	428.3	343.7	211.3	121.5	72.34	56.35	44.20	37.60	24.12	20.00	10.37

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

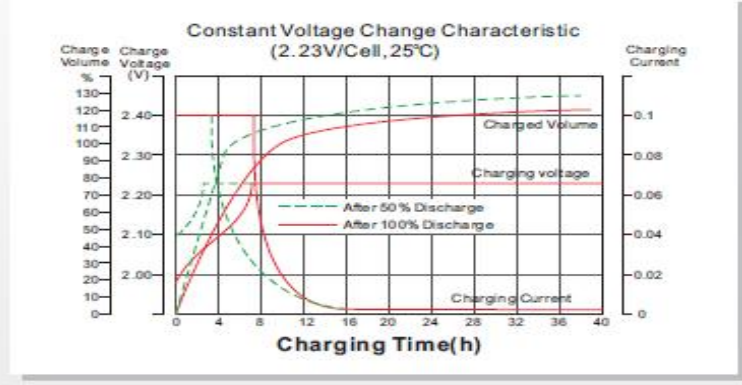
F.V/Time	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	3372.0	2888.4	1999.8	1217.4	733.80	583.86	462.42	390.54	267.30	224.04	118.62
1.75V/cell	3659.4	3124.2	2066.4	1269.0	750.60	587.16	471.48	395.82	271.80	226.26	119.70
1.70V/cell	3933.0	3310.2	2141.4	1305.6	778.80	601.80	482.82	405.06	276.36	228.54	121.92
1.65V/cell	4213.8	3497.4	2250.0	1344.6	798.60	625.80	498.66	415.44	279.72	233.10	123.06
1.60V/cell	4375.8	3597.0	2304.0	1368.0	820.80	642.00	511.14	427.02	282.00	235.32	124.14

All mentioned values are average values.

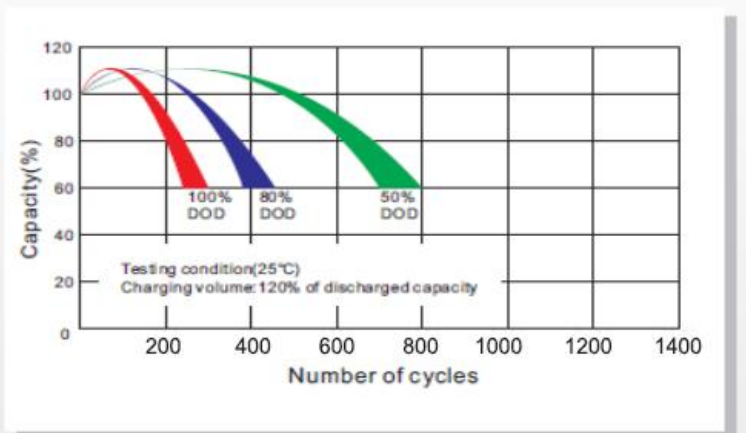
Discharge Characteristics Curve



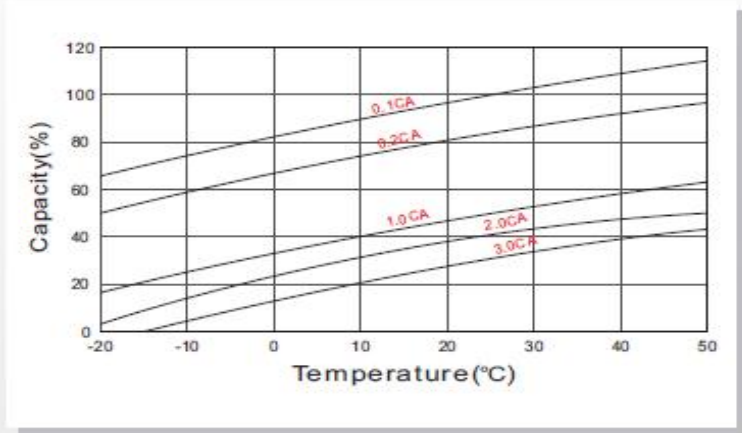
Charging Characteristics Curve



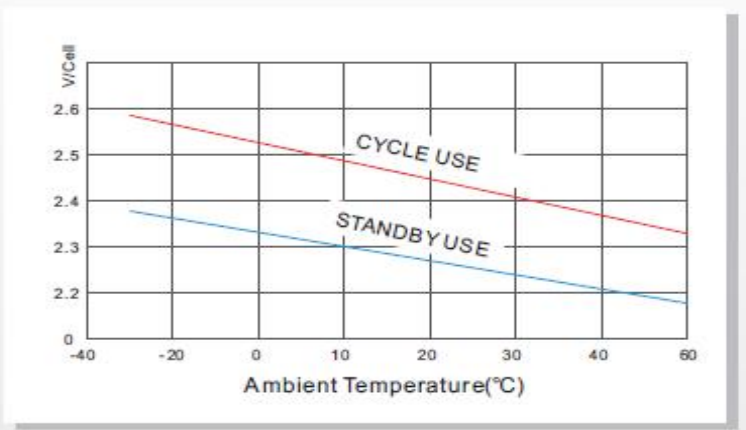
Cycle life in relation to depth of Discharge



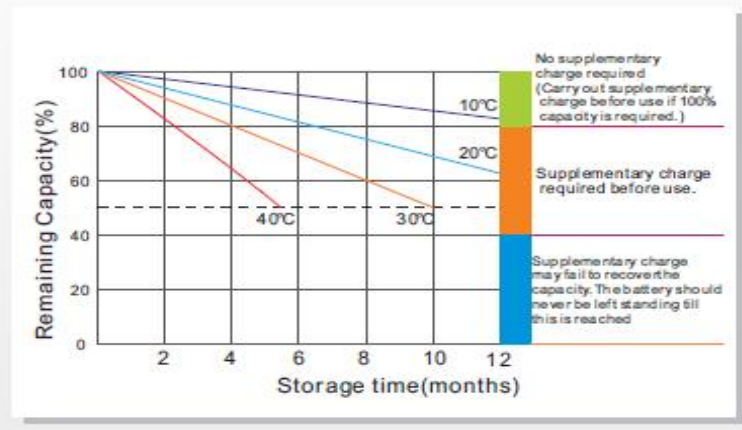
Temperature effects on Capacity



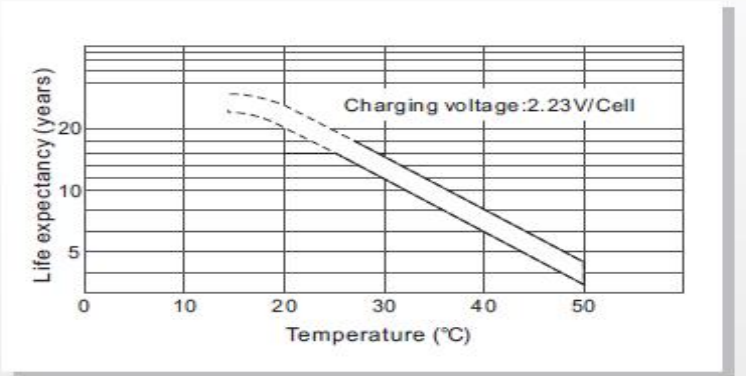
Relationship between charging voltage and temperature



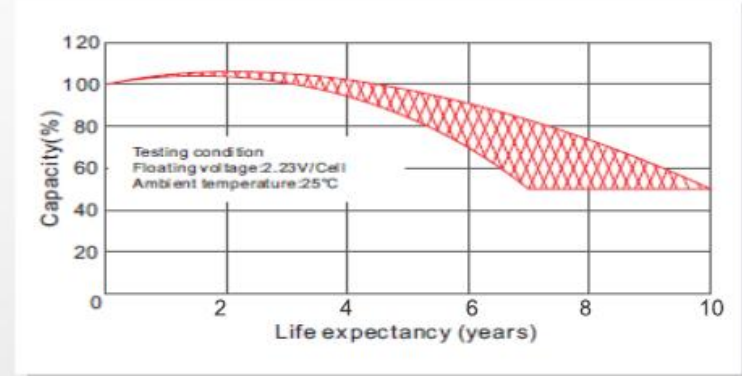
Self-discharge Characteristics



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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