



Holy Enterprise Limited

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

Specification

6-FM-38 12V38AH/20HR

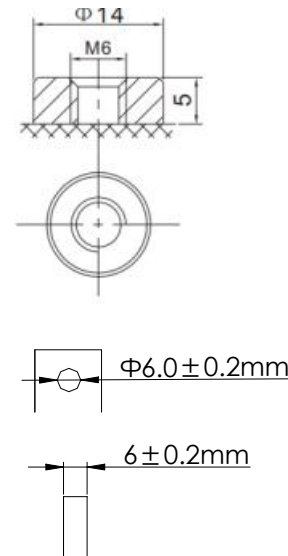
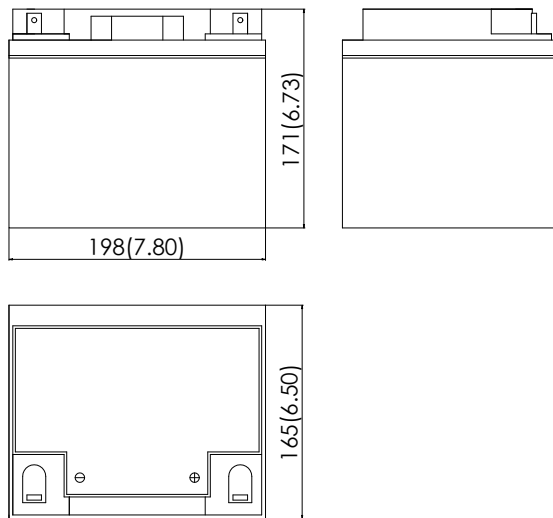
Cells Per Unit	6
Voltage Per Unit	12
Capacity	38AH@20hr-rate to 1.8V per cell @ 25°C
Weight	Approx.12.3kg (Tolerance±3%)
Max. Discharge Current	380 A(5sec)
Internal Resistance	Approx 10 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	11.0A
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: 198(L) ×165 (W) ×171 (H) (Total 171 mm)



Constant Current Discharge Characteristics: A(25°C)

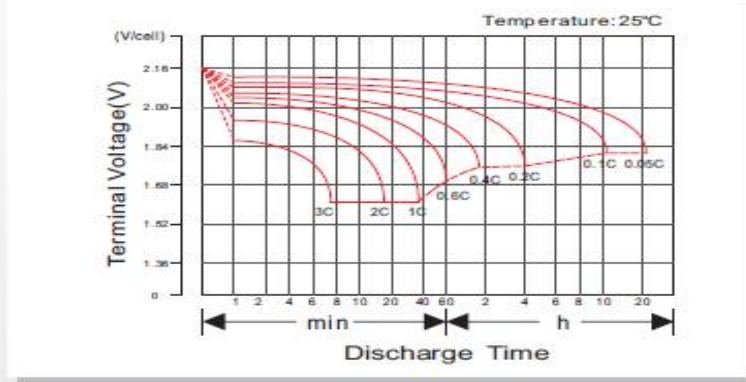
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	97.24	72.41	61.84	41.9	23.56	14.18	9.77	8.097	6.821	4.662	3.875	1.994
1.75V/cell	107.7	79.4	67.08	42.63	24.13	14.44	10.04	8.293	6.946	4.741	3.914	2.033
1.70V/cell	120	86.05	70.45	42.95	24.36	14.55	10.08	8.37	7.03	4.78	3.953	2.072
1.65V/cell	123.6	89.2	71.58	43.76	24.59	14.66	10.16	8.41	7.072	4.82	3.992	2.111
1.60V/cell	127.3	93.74	73.08	44.53	24.7	14.77	10.2	8.449	7.114	4.859	4.03	2.15

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

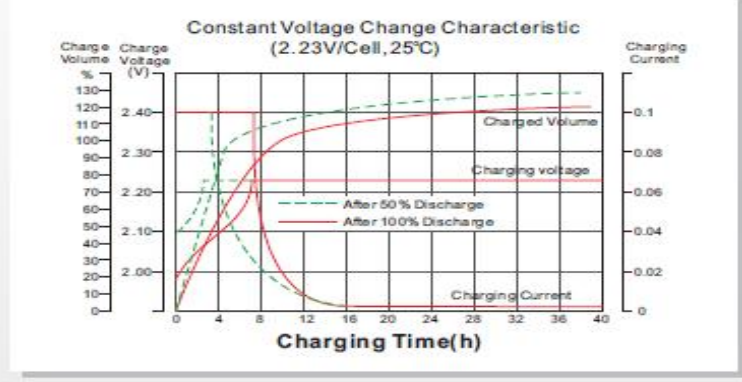
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	1079.0	808.8	683.3	478.9	274.8	168.7	117.1	97.17	81.85	55.94	46.50	23.93
1.75V/cell	1185.0	877.4	739.3	486.7	280.0	170.9	120.4	99.43	83.35	56.89	46.97	24.40
1.70V/cell	1302.0	942.2	775.1	490.1	282.5	172.1	120.9	100.40	84.36	57.36	47.43	24.87
1.65V/cell	1317.0	967.8	783.9	493.6	284.7	173.2	121.4	100.60	84.65	57.74	47.86	25.34
1.60V/cell	1343.0	998.4	796.7	499.7	285.4	174.1	121.4	100.70	84.87	58.02	48.16	25.78

All mentioned values are average values.

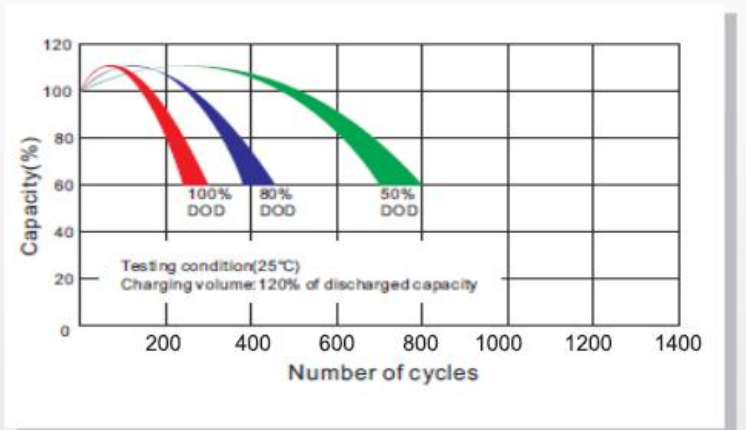
Discharge Characteristics Curve



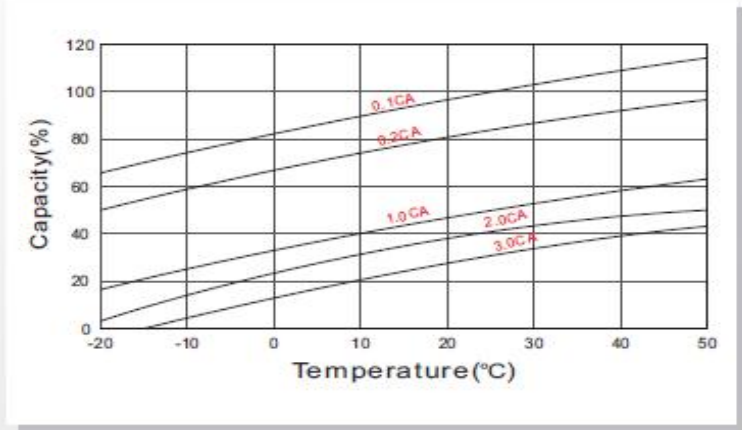
Charging Characteristics Curve



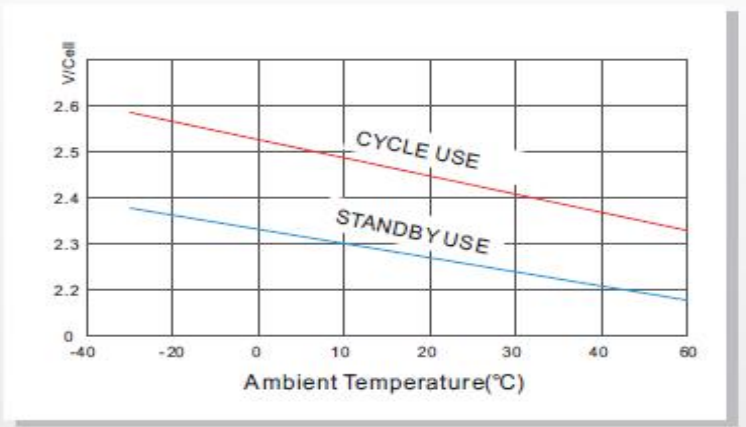
Cycle life in relation to depth of Discharge



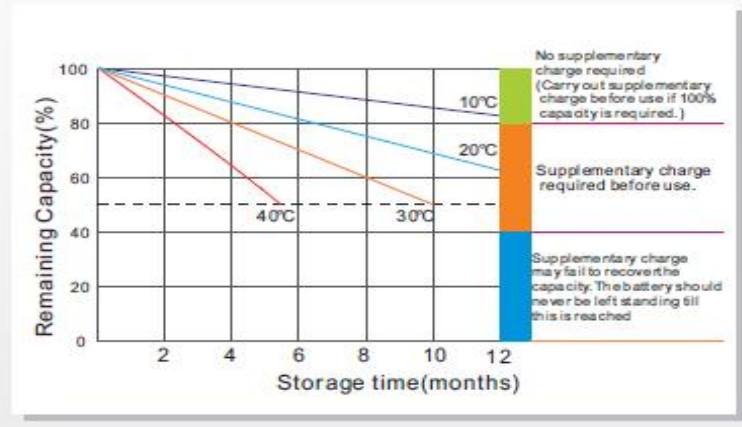
Temperature effects on Capacity



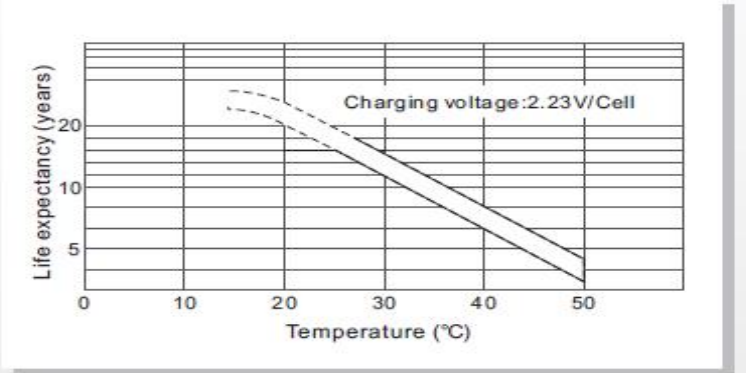
Relationship between charging voltage and temperature



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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