



Holy Enterprise Limited

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

Specification

3-FM-10 6V10AH/20HR

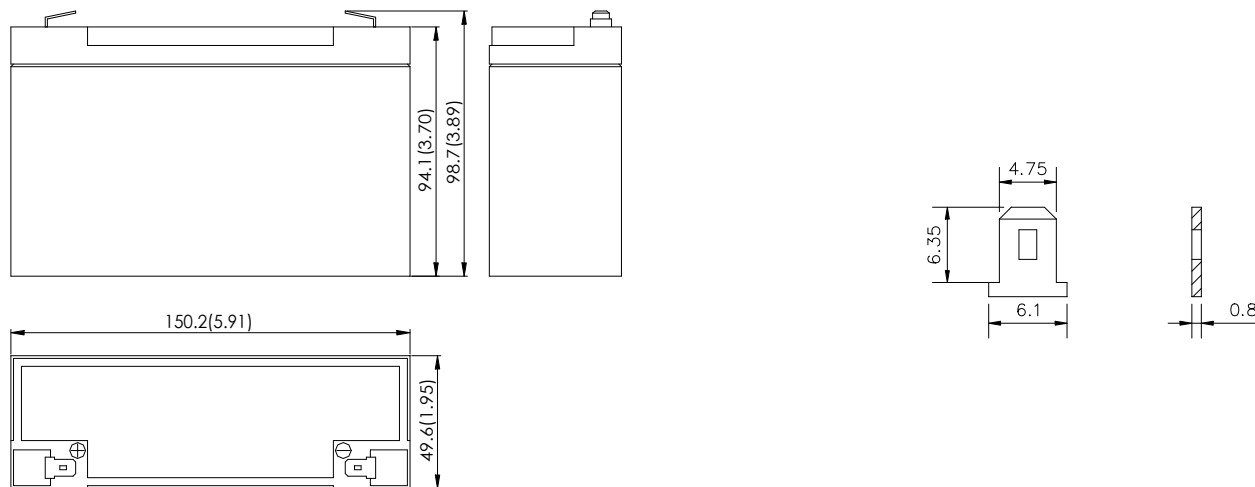
Cells Per Unit	3
Voltage Per Unit	6
Capacity	12.0AH@20hr-rate to 1.8V per cell @ 25°C
Weight	Approx.1.75 kg (Tolerance±3%)
Max. Discharge Current	100A(5sec)
Internal Resistance	Approx 10.0 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	3.6A
Equalization and Cycle service	2.35 to 2.40 VDC /unit Average at 25°C
Terminal	Terminal: F1



Application

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

Dimension: 150(L) ×50(W) ×94(H) (Total 99 mm)



Constant Current Discharge Characteristics: A(25°C)

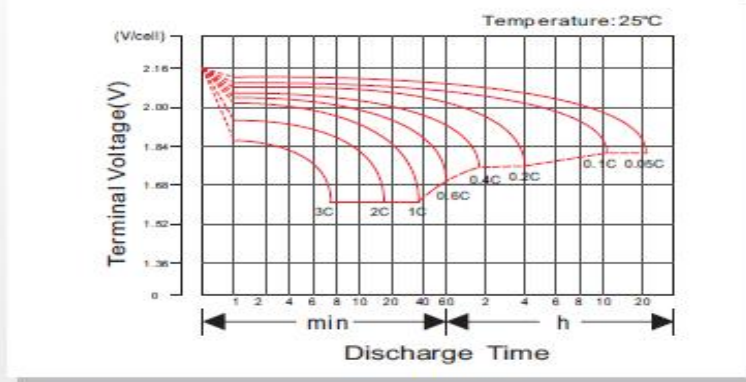
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	29.15	22.73	17.72	11.09	6.35	3.92	3.00	2.447	2.040	1.375	1.122	0.594
1.75V/cell	33.20	25.11	19.19	11.60	6.60	4.07	3.10	2.520	2.094	1.399	1.136	0.600
1.70V/cell	37.05	27.43	20.62	12.14	6.85	4.21	3.19	2.586	2.148	1.418	1.151	0.607
1.65V/cell	41.07	29.80	22.02	12.70	7.08	4.36	3.28	2.658	2.205	1.441	1.169	0.615
1.60V/cell	44.16	31.53	23.03	13.23	7.33	4.50	3.38	2.732	2.264	1.457	1.183	0.625

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

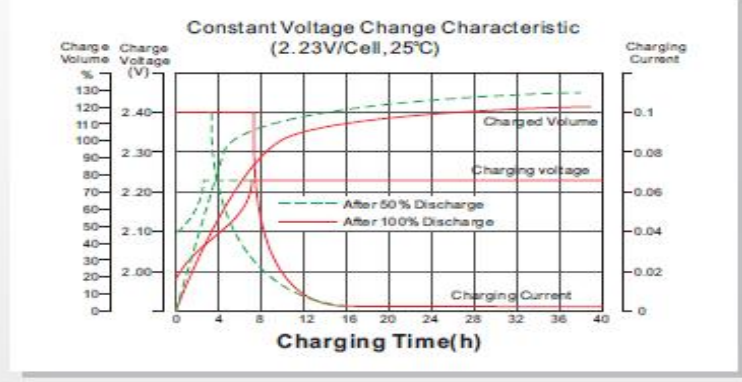
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	156.57	124.62	98.46	62.94	36.63	22.75	17.48	14.307	11.964	8.124	6.648	3.528
1.75V/cell	174.60	135.30	105.15	65.19	37.89	23.48	17.96	14.676	12.237	8.247	6.726	3.558
1.70V/cell	190.65	145.20	111.39	67.50	39.09	24.21	18.44	15.006	12.507	8.346	6.807	3.597
1.65V/cell	206.61	154.89	117.18	69.93	40.14	24.90	18.87	15.366	12.798	8.457	6.903	3.639
1.60V/cell	219.63	160.80	120.78	72.06	41.34	25.60	19.39	15.735	13.089	8.535	6.978	3.690

All mentioned values are average values.

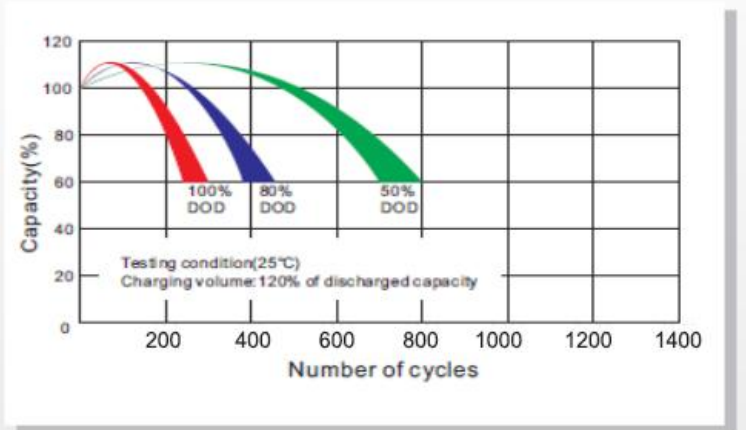
Discharge Characteristics Curve



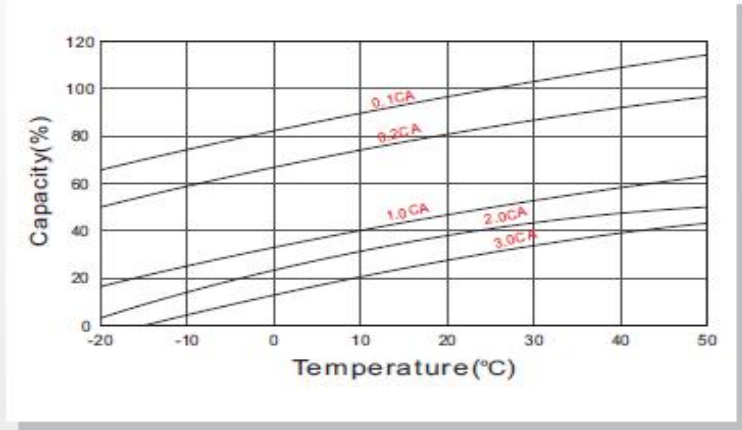
Charging Characteristics Curve



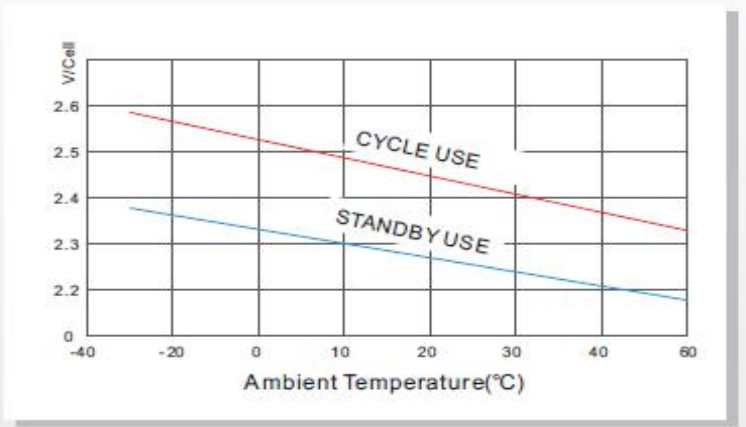
Cycle life in relation to depth of Discharge



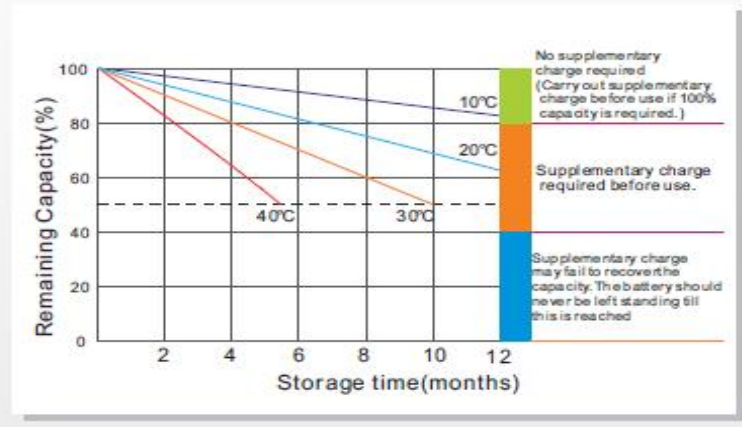
Temperature effects on Capacity



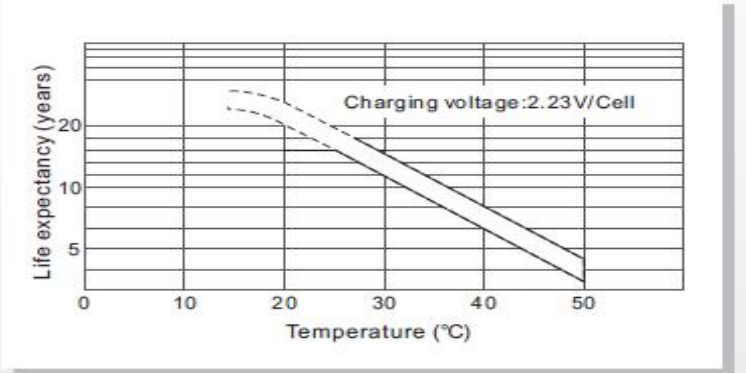
Relationship between charging voltage and temperature



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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