



Holy Enterprise Limited

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

Specification

6-FM-12 12V12AH/20HR

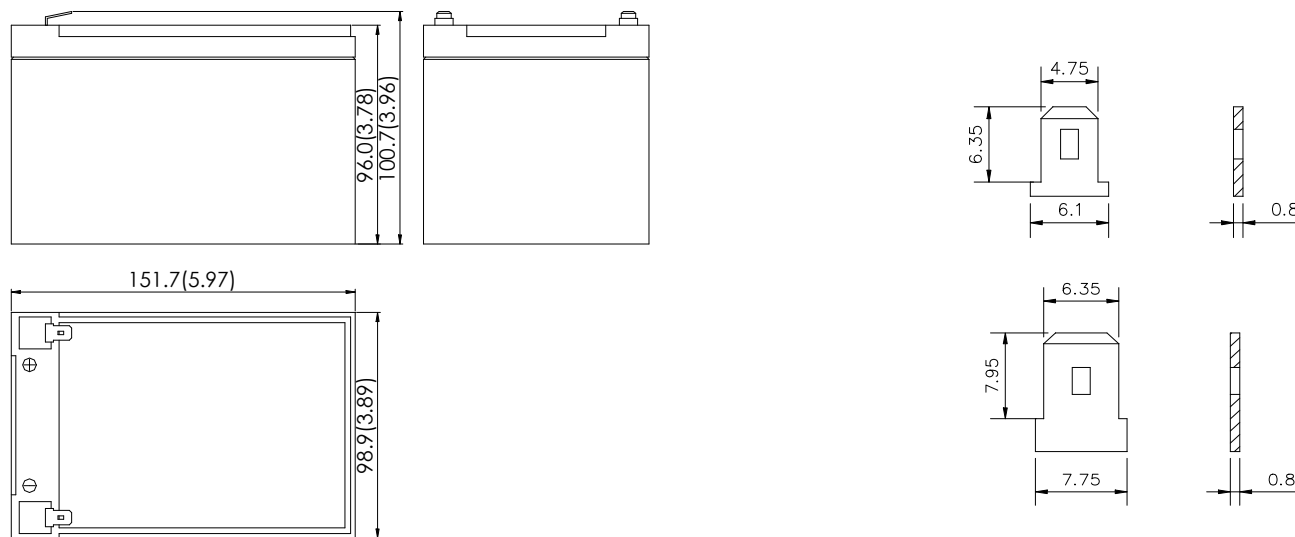
Cells Per Unit	6
Voltage Per Unit	12
Capacity	12AH@20hr-rate to 1.8V per cell @ 25°C
Weight	Approx.3.4kg (Tolerance±3%)
Max. Discharge Current	120 A(5sec)
Internal Resistance	Approx 17 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
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/F2



Application

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

Dimension: 151(L) ×98(W) ×96(H) (Total 102 mm)

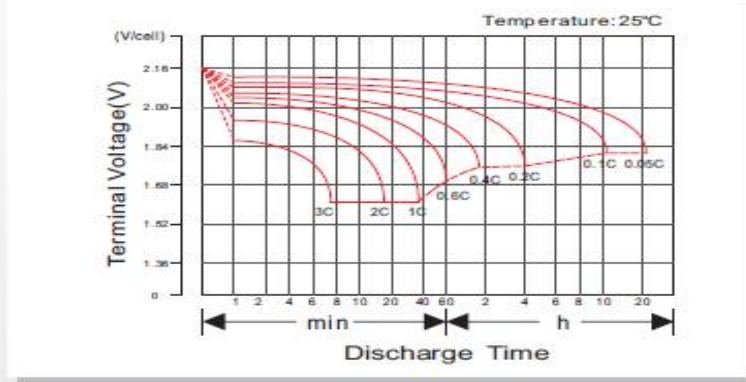


Constant Current Discharge Characteristics: A(25°C)												
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	30.05	23.19	17.90	11.20	6.35	3.92	3.00	2.45	2.040	1.375	1.122	0.594
1.75V/cell	34.23	25.62	19.38	11.72	6.60	4.07	3.10	2.52	2.094	1.399	1.136	0.600
1.70V/cell	38.20	27.99	20.83	12.26	6.85	4.21	3.19	2.59	2.148	1.418	1.151	0.607
1.65V/cell	42.34	30.41	22.24	12.83	7.08	4.36	3.28	2.66	2.205	1.441	1.169	0.615
1.60V/cell	45.53	32.18	23.26	13.36	7.33	4.50	3.38	2.73	2.264	1.457	1.183	0.625

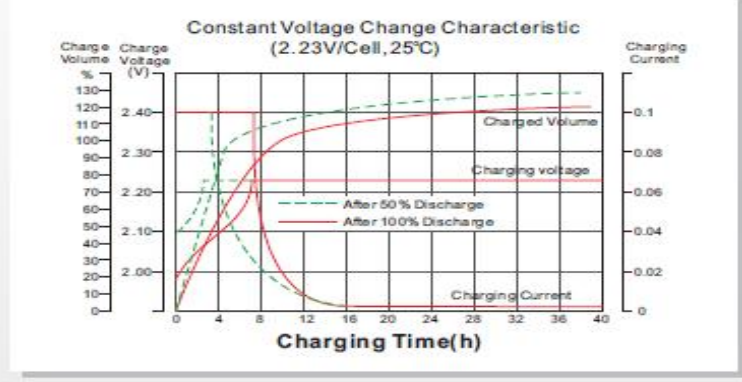
Constant Power Discharge Characteristics: W/Unit(25°C)												
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	322.9	254.3	199.0	127.1	73.26	45.50	34.96	28.61	23.93	16.25	13.30	7.056
1.75V/cell	360.0	276.1	212.5	131.7	75.78	46.95	35.93	29.35	24.47	16.49	13.45	7.116
1.70V/cell	393.1	296.3	225.0	136.4	78.18	48.42	36.88	30.01	25.01	16.69	13.61	7.194
1.65V/cell	426.0	316.1	236.7	141.2	80.28	49.80	37.74	30.73	25.60	16.91	13.81	7.278
1.60V/cell	452.8	328.2	244.0	145.6	82.68	51.19	38.78	31.47	26.18	17.07	13.96	7.380

All mentioned values are average values.

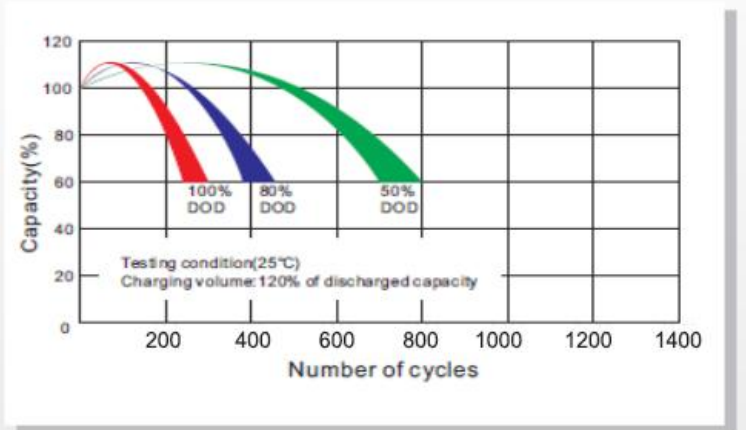
Discharge Characteristics Curve



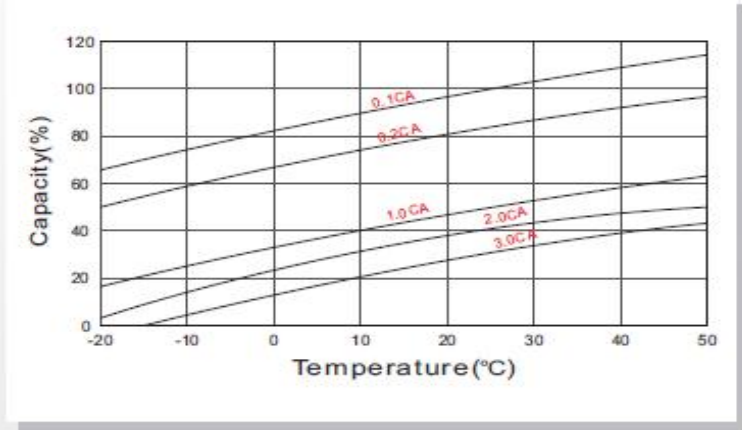
Charging Characteristics Curve



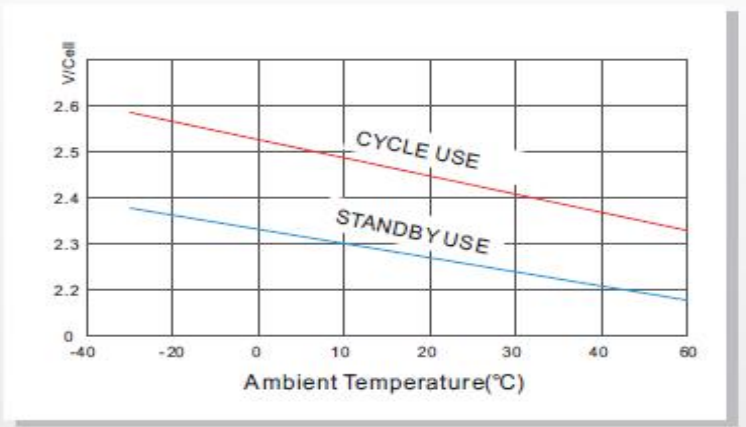
Cycle life in relation to depth of Discharge



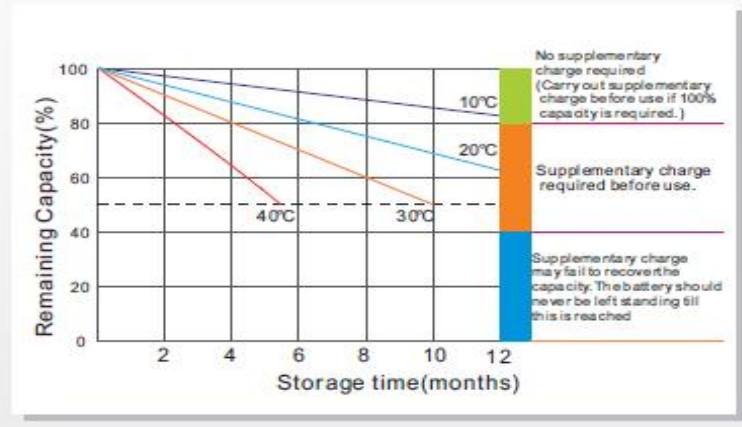
Temperature effects on Capacity



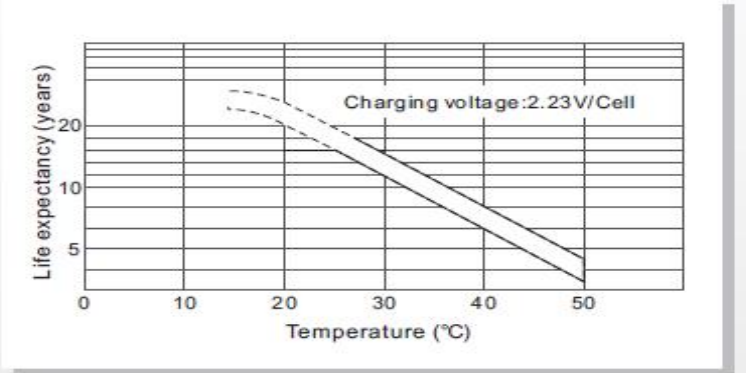
Relationship between charging voltage and temperature



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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