



# Holy Enterprise Limited

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

## Specification

3-FM-1.3 6V1.3AH/20HR

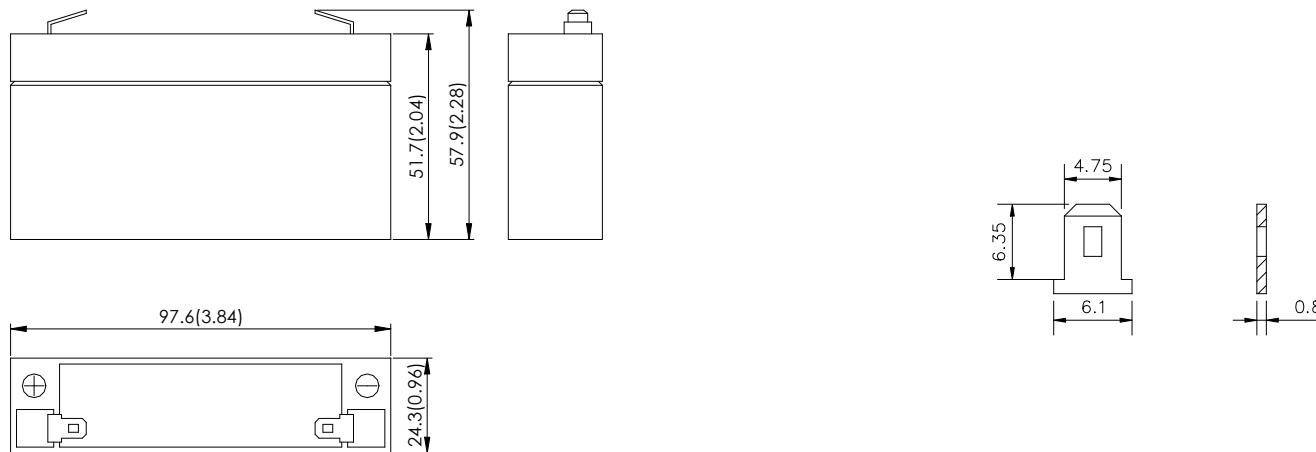
Cells Per Unit	3
Voltage Per Unit	6
Capacity	1.3AH@20hr-rate to 1.8V per cell @ 25°C
Weight	Approx.0.30kg (Tolerance±3%)
Max. Discharge Current	6.5A(5sec)
Internal Resistance	Approx 60mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	0.39A
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: 97(L) ×24(W) ×51(H) (Total 58 mm)



### Constant Current Discharge Characteristics: A(25°C)

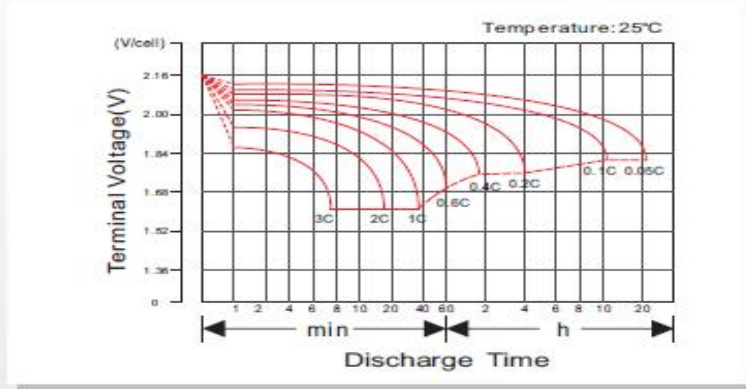
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	3.26	2.51	1.94	1.21	0.69	0.43	0.33	0.27	0.22	0.149	0.122	0.064
1.75V/cell	3.70	2.77	2.10	1.27	0.71	0.44	0.34	0.28	0.23	0.152	0.123	0.065
1.70V/cell	4.13	3.03	2.25	1.33	0.74	0.46	0.35	0.28	0.23	0.154	0.125	0.066
1.65V/cell	4.58	3.29	2.41	1.39	0.77	0.47	0.36	0.29	0.24	0.156	0.127	0.067
1.60V/cell	4.93	3.49	2.52	1.45	0.79	0.49	0.37	0.30	0.25	0.158	0.128	0.068

### Constant Power Discharge Characteristics: W(25°C)

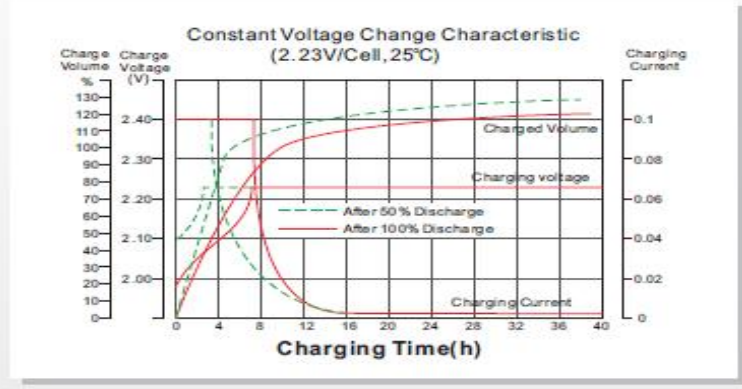
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	5.83	4.59	3.59	2.29	1.32	0.82	0.63	0.52	0.432	0.293	0.240	0.127
1.75V/cell	6.50	4.98	3.84	2.37	1.37	0.85	0.65	0.53	0.442	0.298	0.243	0.128
1.70V/cell	7.10	5.35	4.06	2.46	1.41	0.87	0.67	0.54	0.452	0.301	0.246	0.130
1.65V/cell	7.69	5.71	4.27	2.55	1.45	0.89	0.68	0.55	0.462	0.305	0.249	0.131
1.60V/cell	8.17	5.93	4.41	2.63	1.49	0.92	0.70	0.57	0.473	0.308	0.252	0.133

All mentioned values are average values.

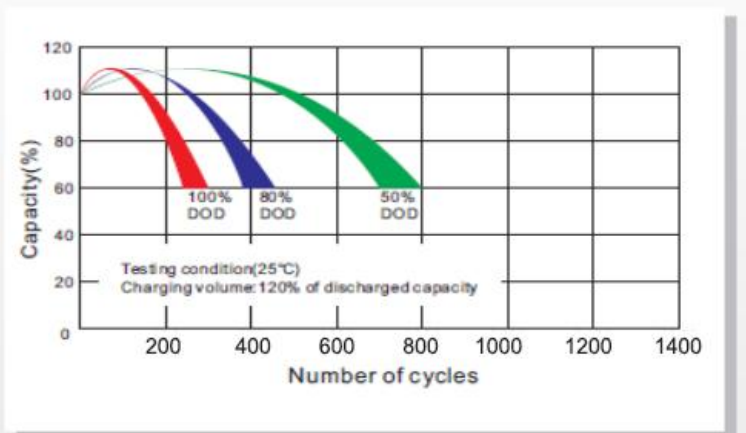
### Discharge Characteristics Curve



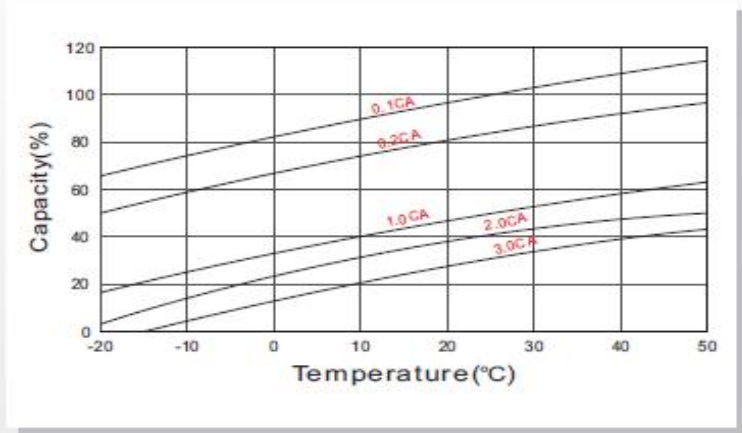
### Charging Characteristics Curve



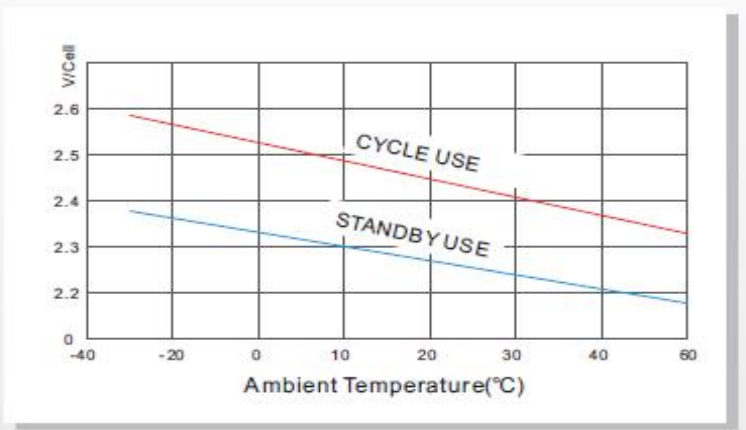
### Cycle life in relation to depth of Discharge



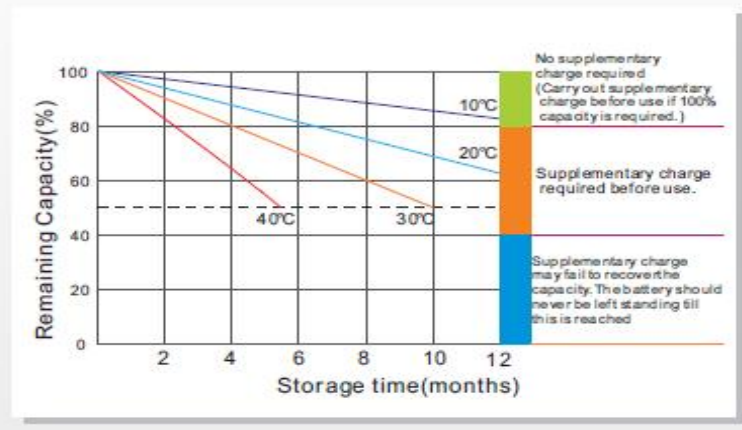
### Temperature effects on Capacity



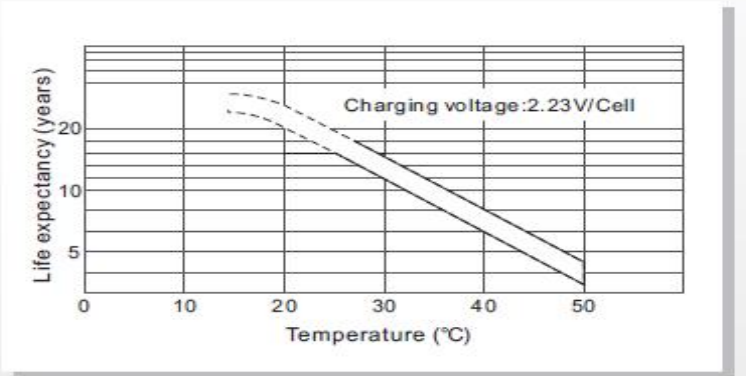
### Relationship between charging voltage and temperature



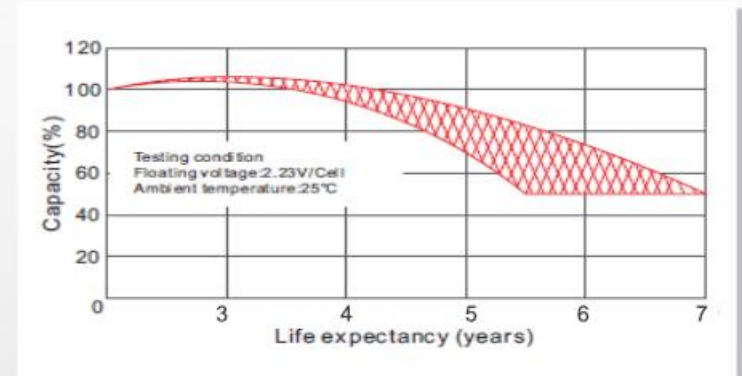
### Self-discharge Characteristics



### 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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