



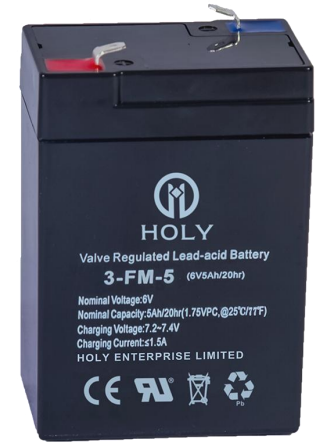
# Holy Enterprise Limited

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

## Specification

3-FM-5 6V5AH/20HR

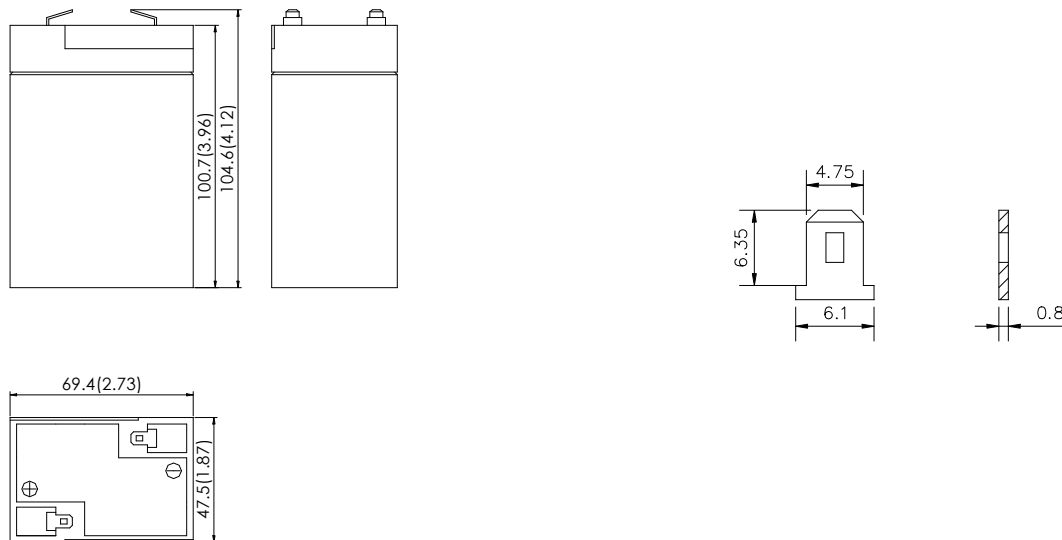
Cells Per Unit	3
Voltage Per Unit	6
Capacity	5.0AH@20hr-rate to 1.8V per cell @ 25°C
Weight	Approx.0.80 kg (Tolerance±3%)
Max. Discharge Current	50A(5sec)
Internal Resistance	Approx 25.5 mΩ
Operating Temperature	Discharge: -20°C~50°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature	25±3°C
Float Charging Voltage	2.25 to 2.27 VDC/unit Average at 25°C
Maximum Charging Current	1.50A
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: 70(L) ×48(W) ×101(H) (Total 105 mm)



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

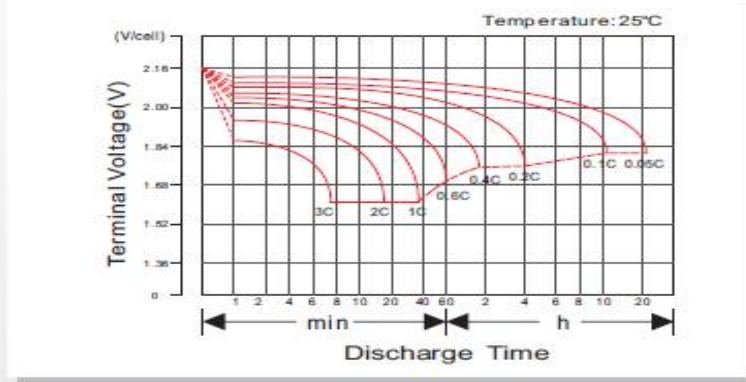
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	12.52	9.66	7.46	4.67	2.65	1.63	1.25	1.02	0.850	0.573	0.467	0.248
1.75V/cell	14.26	10.68	8.08	4.88	2.75	1.70	1.29	1.05	0.872	0.583	0.473	0.250
1.70V/cell	15.92	11.66	8.68	5.11	2.85	1.76	1.33	1.08	0.895	0.591	0.480	0.253
1.65V/cell	17.64	12.67	9.27	5.34	2.95	1.82	1.37	1.11	0.919	0.600	0.487	0.256
1.60V/cell	18.97	13.41	9.69	5.57	3.06	1.88	1.41	1.14	0.943	0.607	0.493	0.260

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

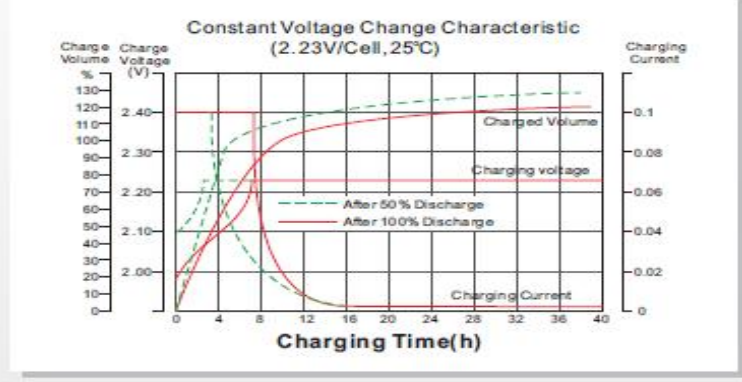
F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.80V/cell	67.26	52.98	41.46	26.48	15.27	9.48	7.28	5.961	4.983	3.384	2.769	1.470
1.75V/cell	75.00	57.54	44.25	27.43	15.78	9.78	7.49	6.114	5.097	3.435	2.802	1.482
1.70V/cell	81.90	61.74	46.89	28.41	16.28	10.09	7.68	6.252	5.211	3.477	2.835	1.500
1.65V/cell	88.74	65.85	49.32	29.43	16.73	10.37	7.86	6.402	5.334	3.525	2.877	1.515
1.60V/cell	94.35	68.37	50.82	30.33	17.22	10.67	8.08	6.555	5.454	3.558	2.907	1.539

All mentioned values are average values.

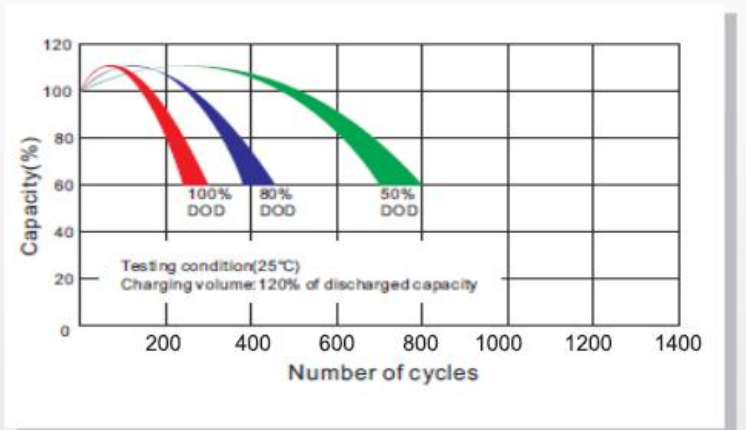
### Discharge Characteristics Curve



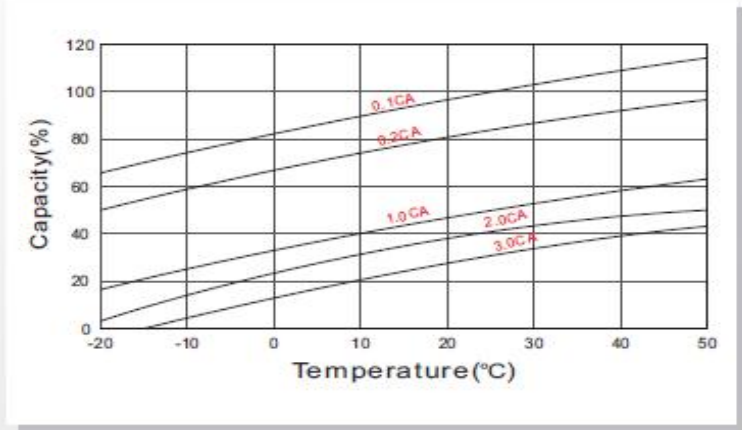
### Charging Characteristics Curve



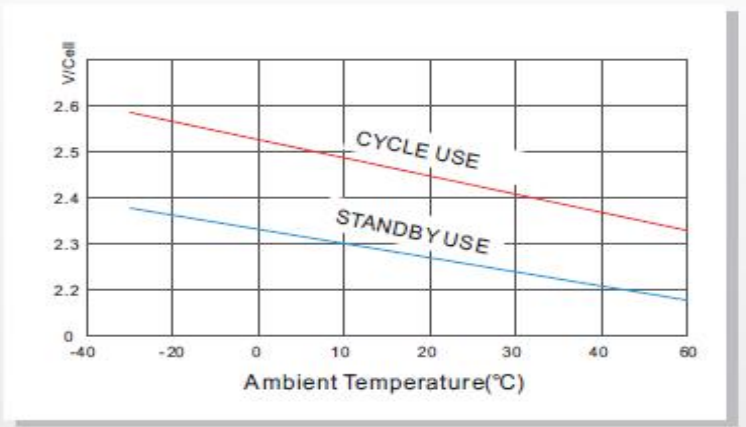
### Cycle life in relation to depth of Discharge



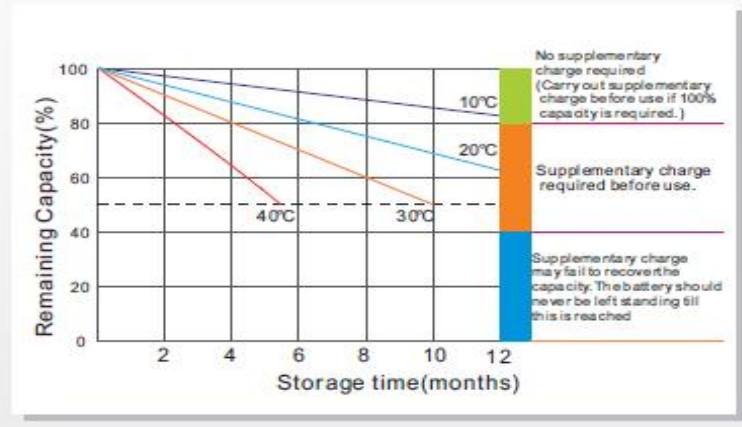
### Temperature effects on Capacity



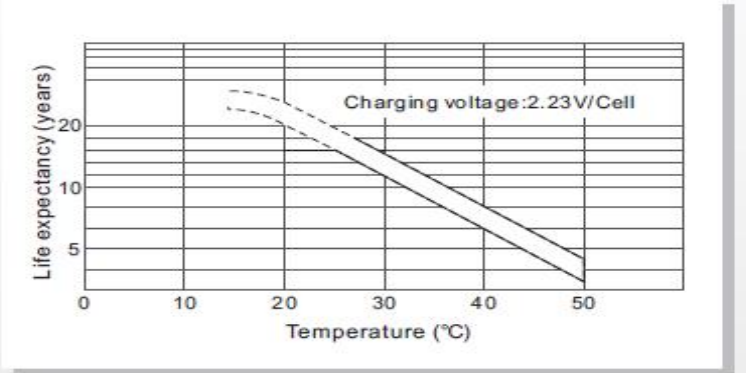
### Relationship between charging voltage and temperature



### 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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