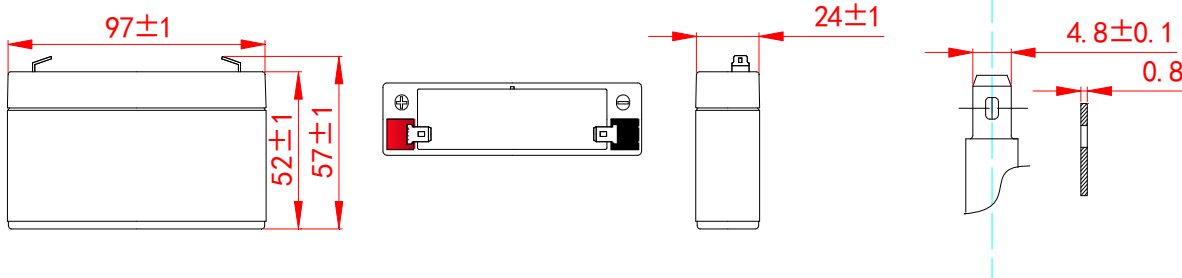


Specification HL612(6V1.2AH/20Hr)

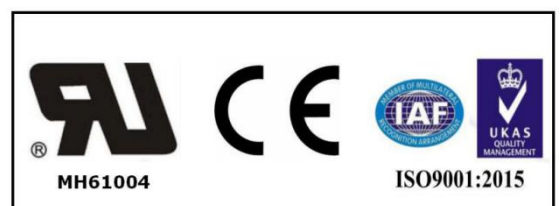
Nominal Voltage		6V
Rated Capacity (20 hour rate)		1.2AH
Dimension	Length	97±1mm (3.82in)
	Width	24±1mm (0.95in)
	Height	52±1mm (2.05in)
	Total Height (with terminals)	57±1mm (2.25in)
Weight		Approx 0.28kg ±1.5%(0.62lbs)


Unit:mm Dimension:97(L)×24(W)×52(H)

Terminal:T1
Characteristic

Capacity 25°C(77°F)	20 hour rate (60mA)	1.20AH
	5 hour rate (204mA)	1.02AH
	1 hour rate (720mA)	0.72AH
Internal Resistance	Full charged Battery 25°C(77°F)	52mΩ
Capacity affected by Temperature (10 hour rate)	40°C(104°F)	103%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%
Self-Discharge 25°C(77°F)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	65%
Max. Discharge Current	18A (5S) 25°C(77°F)	
Terminal	Standard	/
	Optional	T1
Charging (Constant Voltage)	Cycle	Initial Charging Current 0.36A or small 7.20~7.50V 25°C(77°F)
	Float	6.75~6.90V 25°C(77°F)

Applications

- ☆ All purpose
- ☆ Uninterruptable Power Supply(UPS)
- ☆ Electric Power System(EPS)
- ☆ Emergency backup power supply
- ☆ Emergency light
- ☆ Railway signal
- ☆ Aircraft signal
- ☆ Alarm and security system
- ☆ Electronic apparatus and equipment
- ☆ Communication power supply
- ☆ DC power supply
- ☆ Auto control system

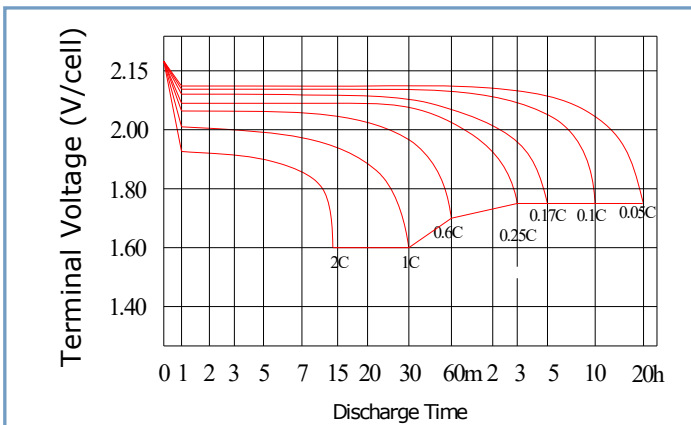
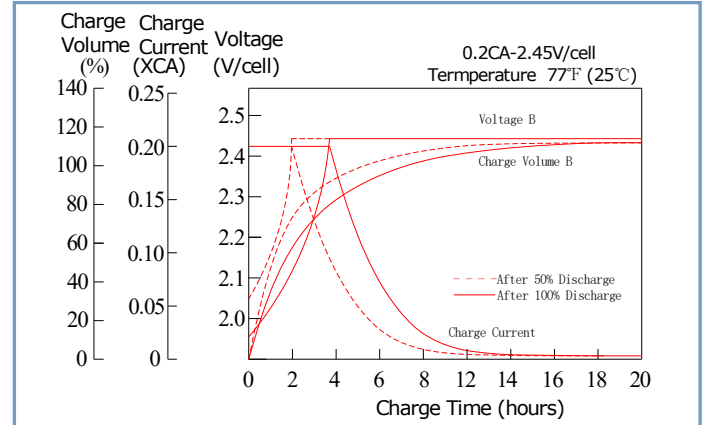
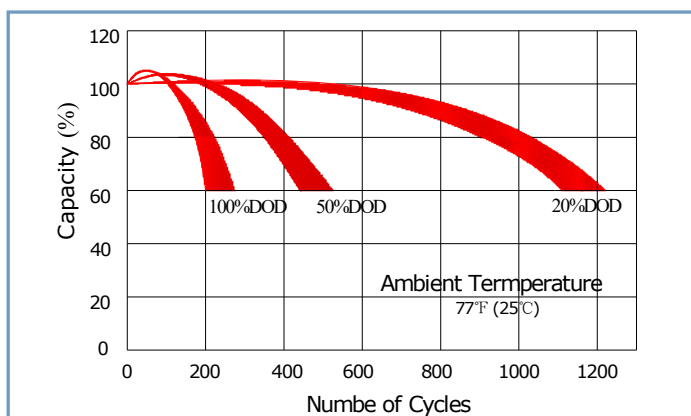
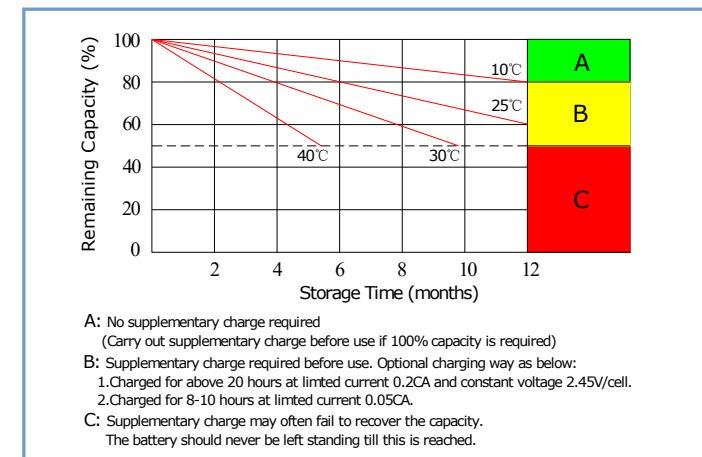


Constant Current Discharge(Amperes) at 25°C (77°F)

F.V/Time	10min	15min	30min	1H	2H	3H	4H	5H	8H	10H	20H
1.85V/cell	2.24	1.73	1.05	0.629	0.387	0.285	0.229	0.195	0.132	0.109	0.057
1.80V/cell	2.48	1.90	1.13	0.671	0.407	0.298	0.239	0.203	0.137	0.112	0.059
1.75V/cell	2.68	2.03	1.19	0.703	0.421	0.308	0.247	0.209	0.141	0.115	0.060
1.70V/cell	2.83	2.13	1.24	0.727	0.433	0.316	0.252	0.213	0.143	0.117	0.061
1.65V/cell	2.95	2.21	1.28	0.746	0.442	0.322	0.257	0.217	0.145	0.118	0.061
1.60V/cell	3.04	2.27	1.31	0.760	0.449	0.326	0.259	0.219	0.147	0.119	0.062

Constant Current Discharge(Watts/cell) at 25°C (77°F)

F.V/Time	10min	15min	30min	1H	2H	3H	4H	5H	8H	10H	20H
1.85V/cell	4.22	3.30	2.03	1.23	0.763	0.565	0.455	0.389	0.265	0.218	0.115
1.80V/cell	4.60	3.57	2.17	1.30	0.798	0.588	0.473	0.403	0.274	0.225	0.118
1.75V/cell	4.88	3.76	2.27	1.36	0.823	0.605	0.485	0.413	0.280	0.229	0.121
1.70V/cell	5.07	3.89	2.34	1.40	0.842	0.618	0.495	0.420	0.285	0.233	0.122
1.65V/cell	5.22	4.00	2.40	1.43	0.856	0.627	0.502	0.426	0.288	0.236	0.123
1.60V/cell	5.25	4.02	2.42	1.44	0.863	0.632	0.506	0.429	0.290	0.238	0.124

Discharge Characteristics

Float Charge Characteristics

Cycle Life in Relation to Depth of Discharge

Self Discharge Characteristics

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