

BAT-LEAD-12V1.3AH-WL (12 V 1.3AH)

Specification		
Battery Model	HS 1.3-12 12V1.3AH	
Designed Floating Life	3~5 Years	
Capacity (25°C)	20HR(0.065A,10.5V)	1.30AH
	10HR(0.12A,10.5V)	1.20AH
	5HR(0.23A,10.5V)	1.15AH
	1HR(0.78A,10.5V)	0.78AH
Dimensions	Length	98mm (3.82inch)
	Width	45mm (1.77inch)
	Height	52mm (2.05inch)
	Total Height	57mm (2.24inch)
Approx. Weight	0.56Kg (1.26 lbs) ±2%	
Internal Resistance	Full charged at 25°C:≤160mΩ	
Capacity Affected by Temp.(20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Charge Voltage(25°C)	Cycle use	14.4-15.0V(-30mV/°C), max. Current: 0.39A
	Float use	13.6-13.8V (-20mV/°C)



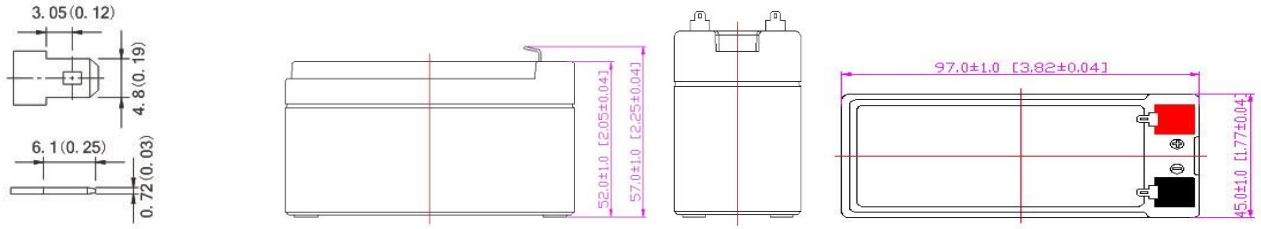
Application:

- Alarm System
- Cable Television
- Communication Equipment
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Power tools
- Control Equipment
- Toys

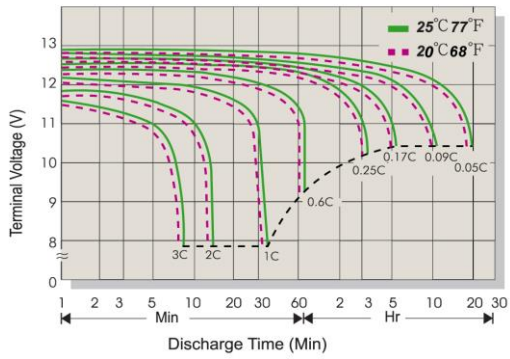


Constant Current Discharge(CC,Unit:A) at 25°C(77°F)												
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	3.59	2.65	1.92	1.29	0.95	0.63	0.53	0.46	0.43	0.38	0.12	0.063
1.80V/Cell	3.65	2.7	1.96	1.32	0.96	0.64	0.53	0.47	0.43	0.39	0.123	0.064
1.75V/Cell	3.72	2.75	1.99	1.34	0.98	0.65	0.54	0.47	0.43	0.39	0.125	0.065
1.70V/Cell	4.06	2.91	2.11	1.4	0.99	0.65	0.55	0.48	0.44	0.39	0.127	0.066
1.67V/Cell	4.47	3.16	2.29	1.47	1.00	0.66	0.55	0.48	0.44	0.40	0.129	0.067
1.60V/Cell	4.84	3.33	2.41	1.54	1.01	0.66	0.55	0.48	0.44	0.40	0.13	0.068
Constant Power Discharge (CP,Unit:W) at 25°C(77°F)												
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	6.99	5.16	3.74	2.52	1.66	1.04	0.84	0.71	0.64	0.56	0.23	0.12
1.80V/Cell	7.13	5.26	3.82	2.57	1.69	1.05	0.85	0.72	0.65	0.57	0.24	0.12
1.75V/Cell	7.26	5.36	3.89	2.62	1.72	1.07	0.87	0.73	0.66	0.57	0.24	0.13
1.70V/Cell	7.91	5.68	4.12	2.72	1.75	1.09	0.88	0.74	0.66	0.58	0.25	0.13
1.67V/Cell	8.71	6.17	4.47	2.87	1.76	1.10	0.88	0.75	0.67	0.58	0.25	0.13
1.60V/Cell	9.44	6.49	4.70	3.00	1.78	1.10	0.89	0.75	0.67	0.59	0.25	0.13

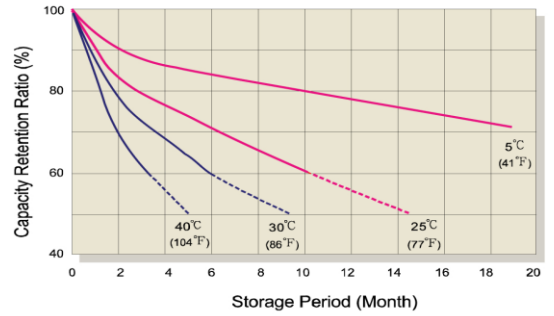
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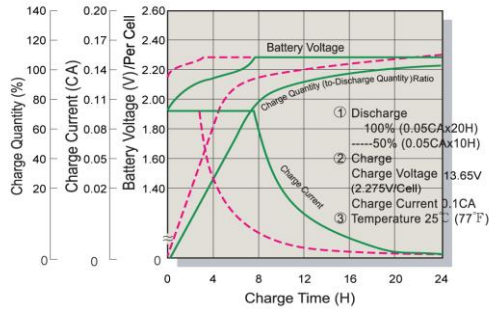
Terminal Voltage (V) and Discharge Time



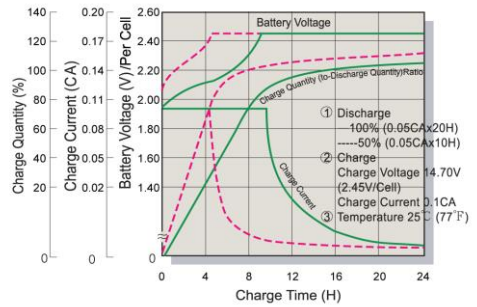
Capacity Retention Characteristic



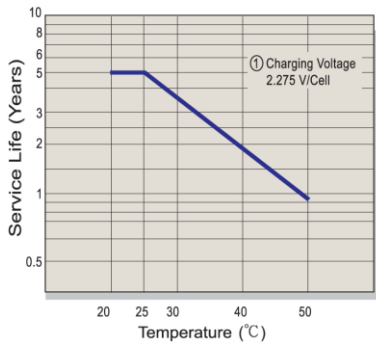
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle



Tickle(or Float) Service Life



Cycle Service Life

