

## WP1.2-12 12Volt 1.2Ah

### Specifications

Nominal Voltage(V) **12V**

#### Nominal Capacity

20 hour rate	(0.06A to 10.50V)	<b>1.2Ah</b>
10 hour rate	(0.114A to 10.50V)	<b>1.14Ah</b>
5 hour rate	(0.204A to 10.20V)	<b>1.02Ah</b>
1 C	(1.2A to 9.60V)	<b>0.68Ah</b>
3 C	(3.6A to 9.60V)	<b>0.48Ah</b>

Weight **Approx. 575g(1.27Lbs.)**

Internal Resistance (at 1KHz) **Approx. 75.4 mΩ**

#### Maximum Discharge Current for

5 seconds: **18A**

#### Charging Methods at 25 (77 )

Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient -5.0mv/ /cell

Maximum Charging Current : **0.36A**

Standby use:

Float Charging Voltage **13.50 to 13.80V**

Coefficient -3.0mv/ /cell

#### Operating Temperature Range

Charge **-15 (5 ) to 40 (104 )**

Discharge **-15 (5 ) to 50 (122 )**

Storage **-15 (5 ) to 40 (104 )**

#### Charge Retention (shelf life) at 20 (68 )

1 month **92%**

3 month **90%**

6 month **80%**

Case Material **ABS**

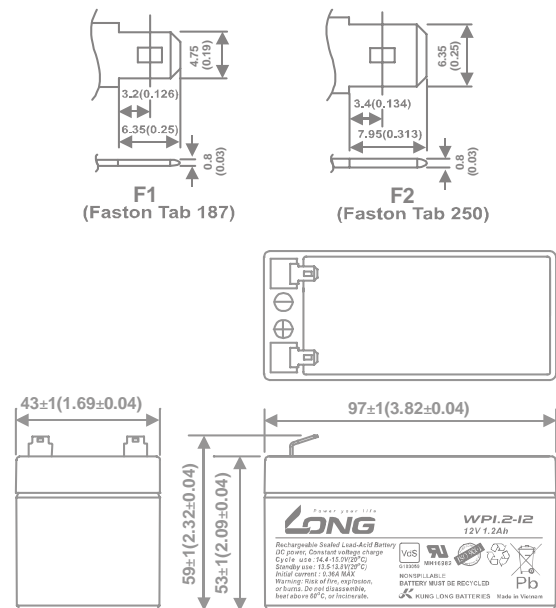
(Option: UL94 HB & UL94 V-0 flame retardant )

Terminal **F1 or F2 (Faston Tab 187 or 250)**

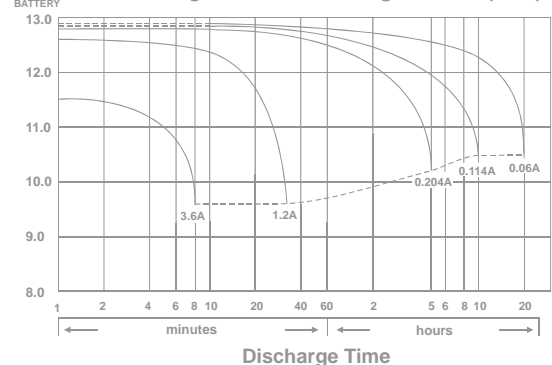


### Dimensions

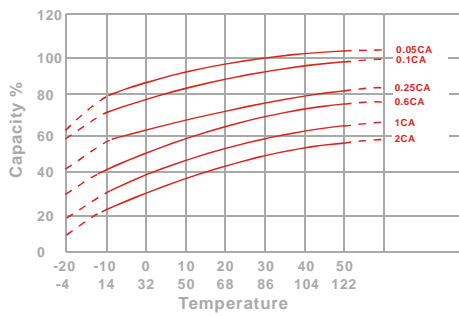
mm(inch)



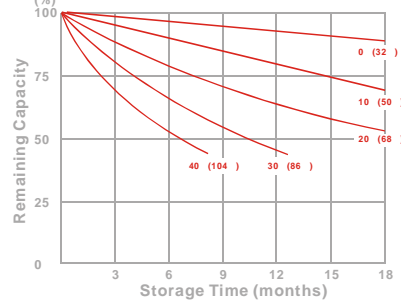
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25 )



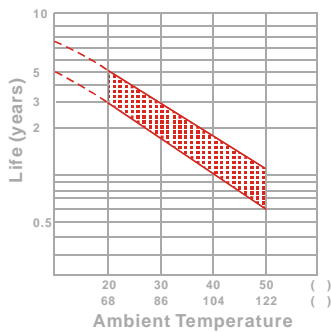
Effect of Temperature on Capacity 25 (77 )



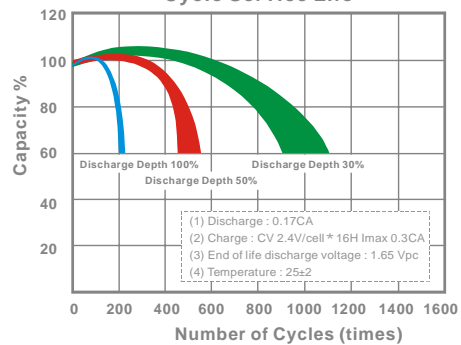
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



## - PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25 (77 )

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	43.1	46.9	49.6	51.9	52.8	53.9	55.7
10	min	27.7	30.0	31.8	33.1	33.5	34.0	34.6
15	min	21.9	23.2	24.3	25.2	25.5	25.9	26.3
30	min	12.9	13.5	13.9	14.2	14.3	14.5	14.7
60	min	7.91	8.35	8.59	8.80	8.88	8.98	9.10
120	min	4.48	4.85	5.08	5.25	5.32	5.40	5.49
180	min	3.20	3.44	3.61	3.74	3.80	3.87	3.94
240	min	2.61	2.82	2.97	3.08	3.12	3.17	3.22
300	min	2.52	2.65	2.74	2.81	2.83	2.86	2.89
600	min	1.32	1.40	1.46	1.50	1.51	1.53	1.55
1200	min	0.738	0.757	0.771	0.780	0.783	0.787	0.792

- Discharge Rates in Amperes to Various End Voltages at 25 (77 )

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	3.49	4.11	4.57	4.94	5.09	5.26	5.51
10	min	2.12	2.43	2.63	2.81	2.88	2.96	3.11
15	min	1.71	1.95	2.09	2.20	2.24	2.29	2.35
30	min	0.931	1.06	1.17	1.24	1.26	1.29	1.32
60	min	0.680	0.716	0.735	0.759	0.765	0.772	0.779
120	min	0.392	0.415	0.429	0.440	0.444	0.449	0.456
180	min	0.272	0.291	0.302	0.311	0.314	0.318	0.324
240	min	0.223	0.238	0.247	0.254	0.257	0.260	0.264
300	min	0.207	0.219	0.226	0.231	0.233	0.236	0.238
600	min	0.112	0.117	0.121	0.124	0.125	0.126	0.127
1200	min	0.0615	0.0624	0.0631	0.0637	0.0639	0.0642	0.0646

All data on the spec. sheet is an average value:

The tolerance range : X<6min(+15%~-15%), 6min X<10min(+12%~-12%), 10min X < 60min(+8%~-8%), X 60min(+5%~-5%)