Valve Regulated Lead Acid Battery

WP1.2-12T

Specifications

Nominal Voltage(V)

12V

Nominal Capacity

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

Weight

Approx. 580g(1.28Lbs.)

Internal Resistance (at 1KHz)

Approx. 97 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	13.5 to 13.8V
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	97%
3 month	92%
6 month	85%

Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Design Life

EUROBAT(20℃): 3-5 YEARS STANDARD COMMERCIAL

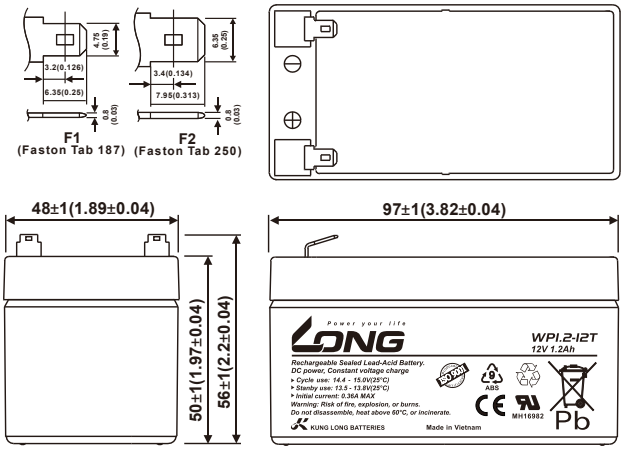
Terminal

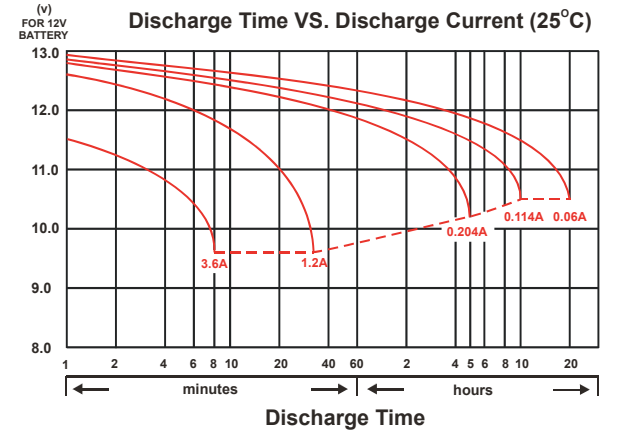
F1 or F2 (Faston Tab 187 or 250)

Dimensions

Length (L)	97±1 (3.82±0.04)
Width (W)	48±1 (1.89±0.04)
Height (H)	50±1 (1.97±0.04)
Overall Height (HT)	56±1 (2.20±0.04)

mm(inch)





Power your life

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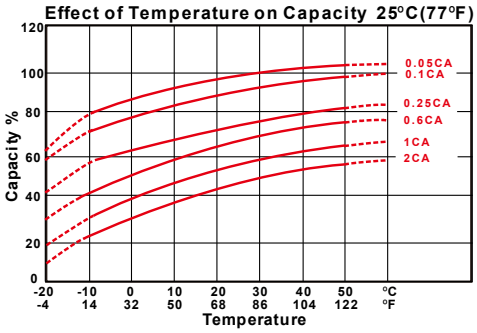

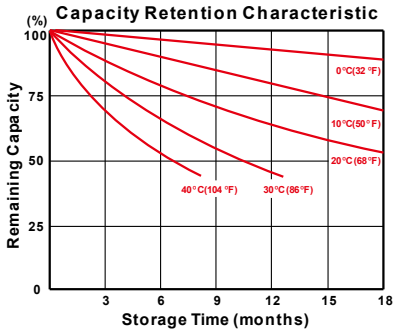

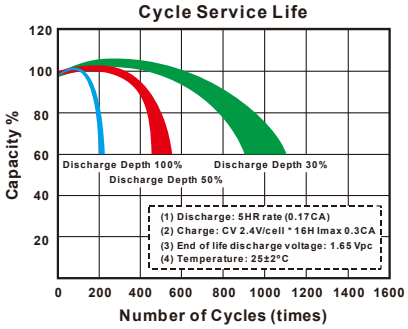

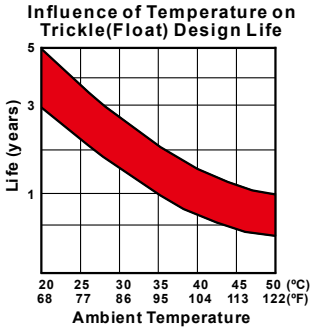

- PERFORMANCE DATA

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	7.38	8.02	8.47	8.85	9.00	9.18	9.48
10	min	4.88	5.27	5.57	5.78	5.85	5.93	6.03
15	min	4.02	4.23	4.42	4.57	4.62	4.68	4.75
30	min	2.55	2.65	2.72	2.77	2.78	2.82	2.85
60	min	1.45	1.52	1.56	1.60	1.61	1.63	1.65
120	min	0.785	0.847	0.885	0.913	0.925	0.938	0.953
180	min	0.573	0.613	0.642	0.663	0.673	0.685	0.697
240	min	0.463	0.498	0.523	0.542	0.548	0.557	0.565
300	min	0.427	0.448	0.463	0.475	0.478	0.483	0.488
600	min	0.225	0.238	0.248	0.255	0.257	0.260	0.263
1200	min	0.124	0.127	0.130	0.131	0.132	0.132	0.133

- 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	3.62	4.23	4.69	5.06	5.21	5.38	5.63
10	min	2.25	2.56	2.76	2.94	3.01	3.09	3.24
15	min	1.91	2.15	2.29	2.40	2.44	2.49	2.55
30	min	1.14	1.27	1.38	1.45	1.47	1.50	1.53
60	min	0.766	0.802	0.821	0.845	0.851	0.858	0.865
120	min	0.411	0.434	0.448	0.459	0.463	0.468	0.475
180	min	0.292	0.311	0.322	0.331	0.334	0.338	0.344
240	min	0.237	0.252	0.261	0.268	0.271	0.274	0.278
300	min	0.209	0.221	0.228	0.233	0.235	0.238	0.240
600	min	0.114	0.119	0.123	0.126	0.127	0.128	0.129
1200	min	0.0620	0.0629	0.0636	0.0642	0.0644	0.0647	0.0651

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%)

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廣隆光電科技股份有限公司
KUNG LONG BATTERIES INDUSTRIAL CO., LTD.

Head Quarter Service TEL: +886-49-2254-777 FAX: +886-49-2255-139 E-mail: sales@mail.klb.com.tw
USA Customer Service TEL: +1-949-328-7936 FAX: +1-949-266-9917 E-mail: sales@kunglong.com
Vietnam Customer Service TEL: +84-272-3779666 FAX: +84-272-3779476 E-mail: sales@mail.klb.com.tw

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