Power your life LONG

Valve Regulated Lead Acid Battery

WP1234W

Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate:	34W/cell	to	1.60V/cell

Nominal Capacity

5	hour rate	(1.445A	to	10.20V)	7.225Ah
1	C	(8.5A	to	9.60V)	4.53Ah
3	C	(25.5A	to	9.60V)	2.975Ah

Weight

Approx. 2.5kg(5.5Lbs.)

Internal Resistance (at 1KHz)

Approx. 14 mΩ

Maximum Discharge Current for

5 seconds: 127.5A

Charging Methods at 25℃(77℉)

Maximum Charging Current：	2.55A
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

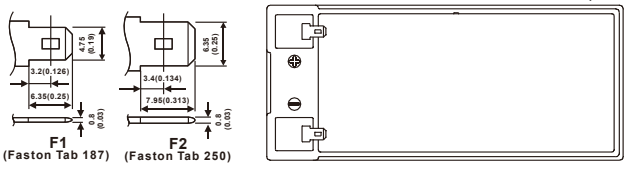
Terminal

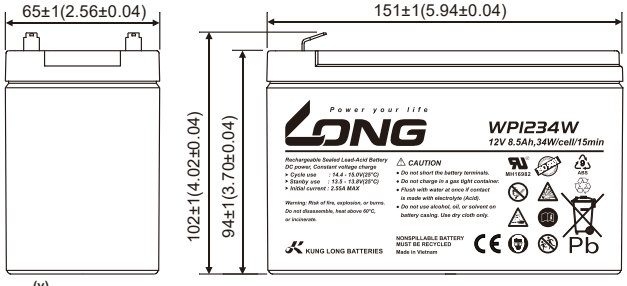
F1 or F2 (Faston Tab 187 or 250)

Dimensions

Length (L)	151±1 (5.94±0.04)
Width (W)	65±1 (2.56±0.04)
Height (H)	94±1 (3.70±0.04)
Overall Height (HT)	102±1 (4.02±0.04)

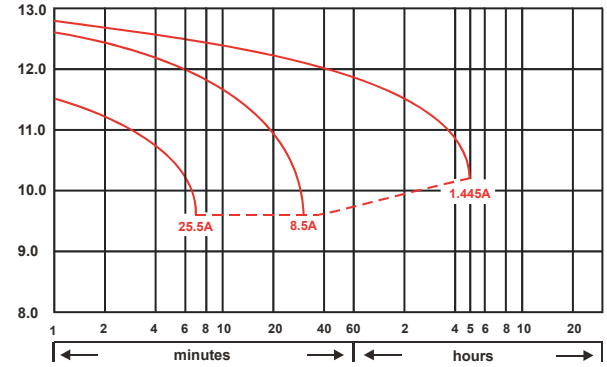
mm(inch)





(v)
FOR 12V BATTERY

Discharge Time VS. Discharge Current (25°C)



Discharge Time

Power your life

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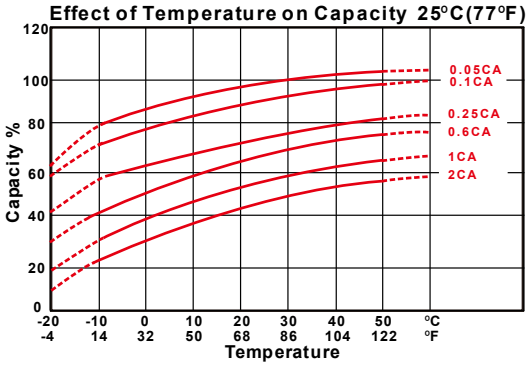

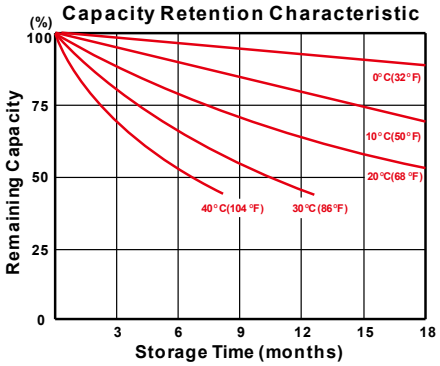

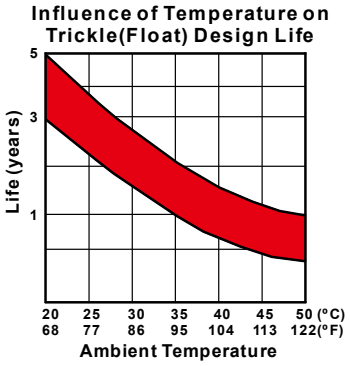

- PERFORMANCE DATA

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	54.6	59.0	63.0	66.4	69.2	70.8	72.0
10	min	35.3	38.3	41.2	43.6	44.8	45.7	46.6
15	min	29.1	30.6	31.7	32.7	33.6	34.2	34.8
30	min	15.0	15.9	16.7	17.4	17.7	18.0	18.2
60	min	9.77	10.2	10.5	10.8	11.0	11.1	11.2
120	min	5.29	5.45	5.58	5.70	5.75	5.80	5.83
180	min	4.12	4.26	4.40	4.53	4.61	4.67	4.72
240	min	3.33	3.46	3.56	3.66	3.72	3.77	3.81
300	min	2.83	2.93	2.99	3.04	3.07	3.10	3.12
600	min	1.59	1.65	1.68	1.71	1.73	1.75	1.76
1200	min	0.836	0.864	0.884	0.889	0.893	0.897	0.900

- 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	29.6	31.9	34.3	36.0	37.0	38.1	39.2
10	min	18.4	20.2	21.6	22.4	23.1	23.6	24.0
15	min	13.8	14.6	15.4	16.2	16.6	17.0	17.3
30	min	7.90	8.29	8.71	9.16	9.47	9.64	9.77
60	min	5.07	5.18	5.26	5.34	5.37	5.41	5.46
120	min	2.58	2.67	2.72	2.78	2.82	2.85	2.87
180	min	2.08	2.14	2.19	2.22	2.25	2.27	2.29
240	min	1.66	1.71	1.73	1.76	1.78	1.79	1.80
300	min	1.45	1.49	1.51	1.53	1.54	1.55	1.56
600	min	0.819	0.833	0.846	0.857	0.863	0.869	0.875
1200	min	0.423	0.438	0.446	0.451	0.455	0.457	0.461

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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