



RECHARGEABLE SEALED LEAD ACID BATTERY

Revision 1.2



WP7.2-12

Specifications

Nominal Voltage (V) 12V

Nominal Capacity

20hour rate (0.36A to 10.50V)	7.2Ah
10hour rate (0.72A to 10.50V)	6.84Ah
5hour rate (1.22A to 10.20V)	6.12Ah
1C (7.2A to 9.60V)	4.08Ah
3C (21.6A to 9.60V)	2.88Ah

Weight Approx. 2.45kg(5.39Lbs.)

Internal Resistance (at 1KHz) 22 mΩ

Maximum Discharge Current for 5 seconds : 135A

Operating Temperature Range

Charge	-15°C (5°F) to 40°C (104°F)
Discharge	-15°C (5°F) to 50°C (122°F)
Storage	-15°C (5°F) to 40°C (104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month	92%
3 month	90%
6 month	80%

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 14.4 to 15.0V
Maximum Charging Current : 2.16A

Standby use :

Float Charging Voltage 13.50 to 13.80V

Life expectancy :

Cycle Use :

100% depth of discharge 200 cycles
80% depth of discharge 225 cycles
50% depth of discharge 500 cycles

Standby Use : 3~5years

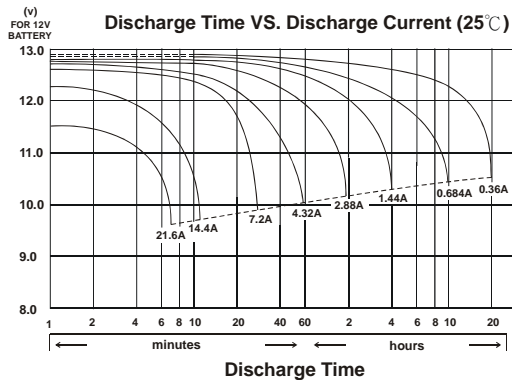
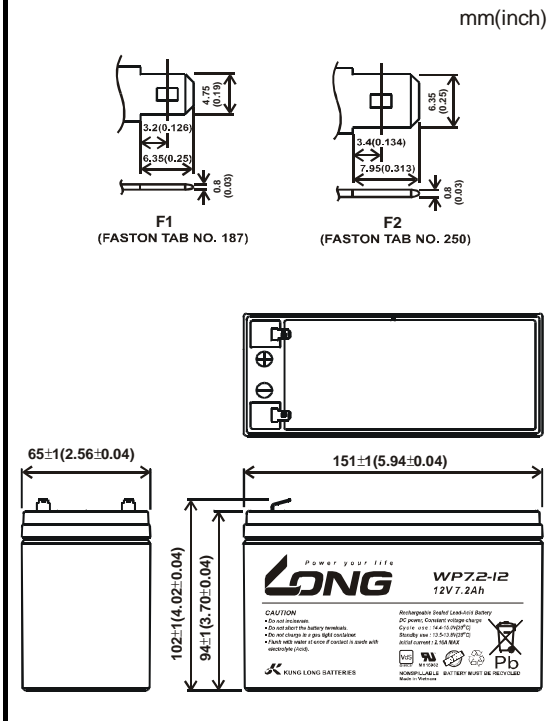
Case Material ABS

(Option : 94-HB & 94V-0 flame retardant case)

Terminal

F1 or F2

Dimensions





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

The tolerance range : $X < 6\text{min}(+15\% \sim -15\%)$, $6\text{min} \leq X < 10\text{min}(+12\% \sim -12\%)$, $10\text{min} \leq X < 60\text{min}(+8\% \sim -8\%)$, $X \geq 60\text{min}(+5\% \sim -5\%)$

PERFORMANCE DATA Discharge Rates in Watts to Various End Voltages at 25°C

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	267	286	304	321	329	349
10	min	196	206	215	224	228	238
15	min	154	160	165	169	172	177
30	min	96.1	98.1	100	102	103	105
60	min	59.0	59.8	60.5	61.2	61.7	62.5
120	min	34.3	34.8	35.3	35.8	36.0	36.5
180	min	24.5	24.8	25.1	25.4	25.5	25.8
240	min	19.0	19.3	19.6	19.8	19.9	20.1
300	min	15.8	16.0	16.2	16.4	16.5	16.7
600	min	9.01	9.12	9.19	9.25	9.39	9.51
1200	min	4.84	4.92	5.00	5.07	5.11	5.21

Discharge Rates in Amperes to Various End Voltages at 25°C

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	23.8	26.4	28.7	30.9	32.1	34.6
10	min	16.9	18.0	19.0	19.9	20.4	21.3
15	min	13.3	14.0	14.7	15.1	15.4	16.0
30	min	8.19	8.51	8.76	8.96	9.08	9.32
60	min	4.99	5.07	5.14	5.21	5.25	5.34
120	min	2.78	2.82	2.87	2.91	2.93	2.99
180	min	1.89	1.92	1.96	2.00	2.02	2.07
240	min	1.43	1.46	1.49	1.52	1.54	1.59
300	min	1.18	1.21	1.23	1.26	1.27	1.30
600	min	0.69	0.71	0.72	0.73	0.74	0.75
1200	min	0.39	0.41	0.41	0.42	0.43	0.44

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