KUNG LONG

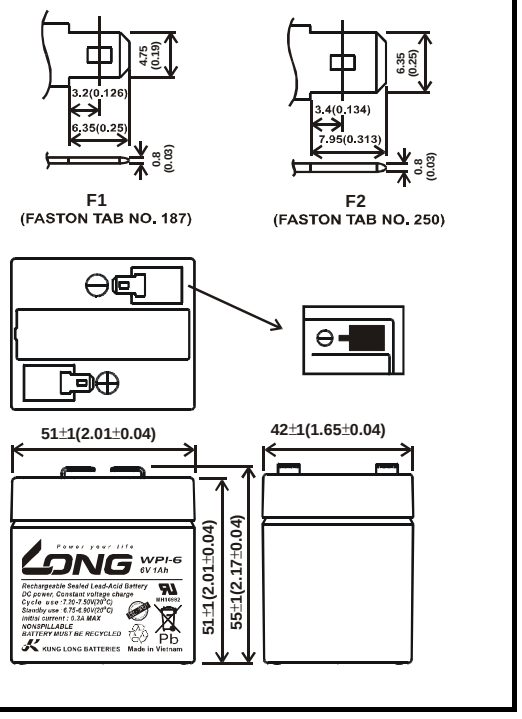
RECHARGEABLE SEALED LEAD ACID BATTERY

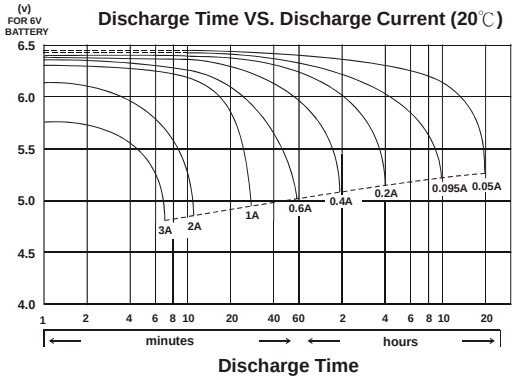
Revision 1.1

WP1-6

Dimensions

mm(inch)





Specifications

Nominal Voltage (V) 6V

Nominal Capacity

20hour rate (0.05A	to	5.25V)	1Ah
10hour rate (0.1A	to	5.25V)	0.95Ah
5hour rate (0.17A	to	5.25V)	0.85Ah
1C (1A	to	4.80V)	0.45Ah
3C (3A	to	4.80V)	0.35Ah

Weight Approx.0.294kg(0.65Lbs.)

Internal Resistance (at 1KHz) 33 mΩ

Maximum Discharge Current for 5 seconds : 118A

Operating Temperature Range

Charge	0℃(32℉)	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%

Charging Methods at 20℃ (68℉)

Cycle use:
Charging Voltage 7.20 to 7.50V
Maximum Charging Current：0.3A

Standby use :
Float Charging Voltage 6.75 to 6.90V

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

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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%)

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

End Voltage / Time	11.40V	11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
1 min	42.4	48.8	53.8	57.9	62.4	64.8	68.4
2 min	34.1	38.3	41.9	44.5	47.3	50.0	52.3
3 min	29.6	32.3	35.0	37.0	39.3	40.7	42.1
5 min	22.9	25.1	27.1	28.8	30.0	30.6	31.0
7 min	19.3	21.0	22.4	23.5	24.3	24.7	25.0
10 min	15.8	17.0	18.1	18.9	19.3	19.7	19.8
15 min	12.2	13.1	13.8	14.3	14.6	14.8	14.9
20 min	10.0	10.7	11.3	11.6	11.8	11.9	12.0
30 min	7.31	7.90	8.34	8.57	8.70	8.75	8.82
60 min	4.29	4.59	4.83	4.95	5.03	5.06	5.11
90 min	3.14	3.35	3.51	3.59	3.65	3.68	3.72
120 min	2.51	2.67	2.79	2.86	2.91	2.93	2.96
180 min	18.4	1.95	2.03	2.08	2.11	2.13	2.15
240 min	1.47	1.56	1.62	1.66	1.68	1.70	1.72
300 min	1.24	1.31	1.36	1.39	1.41	1.42	1.44
360 min	1.08	1.13	1.17	1.20	1.22	1.23	1.25
480 min	0.86	0.91	0.94	0.96	0.97	0.98	0.99
600 min	0.73	0.76	0.79	0.80	0.81	0.82	0.83
1200 min	0.43	0.44	0.45	0.46	0.47	0.48	0.48

Discharge Rates in Amperes to Various End Voltages at 25℃

End Voltage / Time	11.40V	11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
1 min	7.33	9.45	11.3	12.9	13.4	14.5	15.1
2 min	6.28	7.58	8.76	9.71	10.5	11.0	11.7
3 min	5.37	6.54	7.34	8.00	8.48	8.91	9.34
5 min	4.05	5.01	5.50	6.00	6.20	6.39	6.54
10 min	2.63	3.12	3.37	3.57	3.66	3.74	3.80
15 min	2.02	2.34	2.51	2.61	2.65	2.70	2.75
20 min	1.68	1.91	2.03	2.10	2.13	2.16	2.19
25 min	1.45	1.63	1.72	1.77	1.79	1.81	1.84
30 min	1.29	1.43	1.50	1.54	1.56	1.57	1.59
35 min	1.17	1.28	1.34	1.37	1.38	1.39	1.41
45 min	0.99	1.07	1.11	1.13	1.14	1.14	1.16
60 min	0.78	0.86	0.89	0.90	0.91	0.91	0.92
90 min	0.57	0.62	0.64	0.65	0.66	0.66	0.66
120 min	0.45	0.49	0.51	0.52	0.52	0.52	.053
180 min	0.32	0.35	0.37	0.37	0.37	0.38	0.38
240 min	0.25	0.28	0.29	0.29	0.30	0.30	0.30
300 min	0.21	0.23	0.24	0.24	0.25	0.25	0.25
480 min	0.18	0.20	0.21	0.21	0.21	0.21	0.21
600 min	0.12	0.13	0.13	0.14	0.14	0.14	0.14
1200 min	0.07	0.07	0.08	0.08	0.08	0.08	0.08

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