

WP7-6 6Volts 7Ah

Specifications

Nominal Voltage(V) 6V

Nominal Capacity

20 hour rate	(0.35A	to	5.25V)	7Ah
10 hour rate	(0.665A	to	5.25V)	6.65Ah
5 hour rate	(1.19A	to	5.1V)	5.95Ah
1 C	(7A	to	4.8V)	3.97Ah
3 C	(21A	to	4.8V)	2.8Ah

Weight Approx. 1.2kg(2.64Lbs.)

Internal Resistance (at 1KHz) Approx. 12 mΩ

Maximum Discharge Current for

5 seconds: 105A

Charging Methods at 25 (77)

Cycle use:

Charging Voltage 7.20 to 7.50V

Coefficient -5.0mv/ /cell

Maximum Charging Current : 2.1A

Standby use:

Float Charging Voltage 6.75 to 6.90V

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%

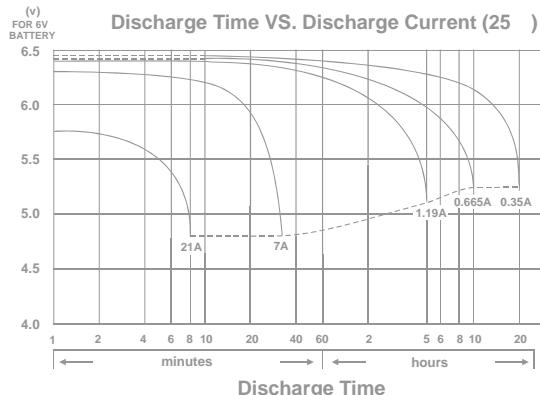
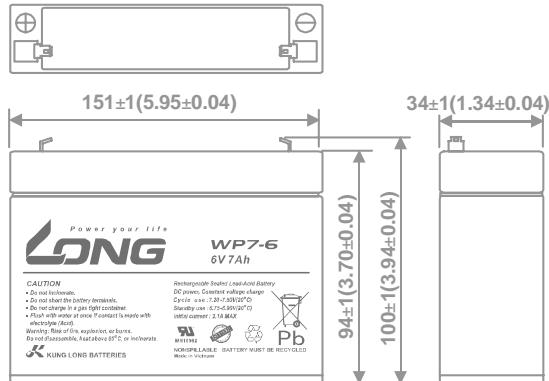
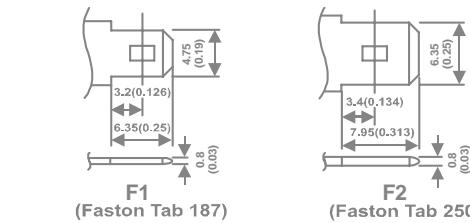
Case Material ABS

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

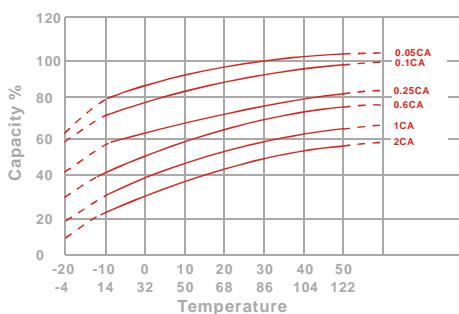
Terminal F1 or F2 (Faston Tab 187 or 250)



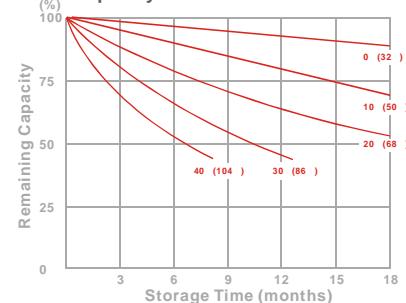
Dimensions mm(inch)



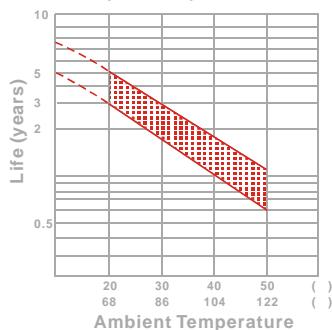
Effect of Temperature on Capacity 25 (77)



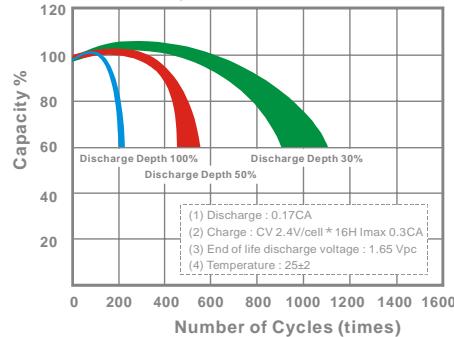
Capacity Retention Characteristic



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	1.8V	1.75V	1.70V	1.65V	1.60V				
		5 min	10 min	15 min	30 min	60 min	120 min	180 min	240 min	300 min	600 min
5	min	161	169	181	185	190	197				
10	min	82.5	92.0	99.0	102	105	108				
15	min	70.0	72.0	74.5	76.5	78.5	80.5				
30	min	44.5	45.1	45.5	45.8	46.3	46.9				
60	min	23.5	24.0	24.5	24.8	25.0	25.4				
120	min	15.4	15.6	16.1	16.3	16.4	16.7				
180	min	9.8	10.2	10.8	11.0	11.1	11.3				
240	min	7.50	7.73	8.11	8.27	8.38	8.64				
300	min	6.27	6.50	6.90	7.06	7.12	7.28				
600	min	3.64	3.81	4.02	4.07	4.13	4.18				
1200	min	1.90	2.02	2.17	2.22	2.27	2.32				

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

Time	End Voltage	1.85V	1.8V	1.75V	1.70V	1.65V	1.60V					
		5 min	10 min	15 min	30 min	60 min	120 min	180 min	240 min	300 min	600 min	1200 min
5	min	28.8	30.2	32.4	33.1	34.0	35.2					
10	min	16.2	17.0	18.2	18.6	19.1	19.8					
15	min	12.5	13.1	13.6	13.9	14.1	14.5					
30	min	6.56	6.88	7.14	7.30	7.40	7.61					
60	min	3.90	4.08	4.31	4.37	4.42	4.48					
120	min	2.05	2.14	2.26	2.29	2.32	2.35					
180	min	1.63	1.70	1.79	1.82	1.84	1.87					
240	min	1.30	1.36	1.44	1.46	1.47	1.49					
300	min	1.11	1.16	1.22	1.24	1.25	1.27					
600	min	0.65	0.68	0.72	0.73	0.74	0.75					
1200	min	0.34	0.36	0.38	0.38	0.39	0.39					

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%)

 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: +84-72-3779666 FAX: +84-72-3779476 E-mail: sales@mail.klb.com.tw

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