

WP4.5-6 6Volt 4.5Ah

Specifications

Nominal Voltage(V) **6V**

Nominal Capacity

20 hour rate	(0.225A to	5.25V)	4.5Ah
10 hour rate	(0.428A to	5.25V)	4.275Ah
5 hour rate	(0.765A to	5.1V)	3.825Ah
1 C	(4.5A to	4.8V)	2.55Ah
3 C	(13.5A to	4.8V)	1.8Ah

Weight **Approx. 820g(1.80Lbs.)**

Internal Resistance (at 1KHz) **Approx. 19 mΩ**

Maximum Discharge Current for

5 seconds: **67.5A**

Charging Methods at 25 (77)

Cycle use:

Charging Voltage **7.20 to 7.50V**

Coefficient -5.0mV/ /cell

Maximum Charging Current : **1.35A**

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)

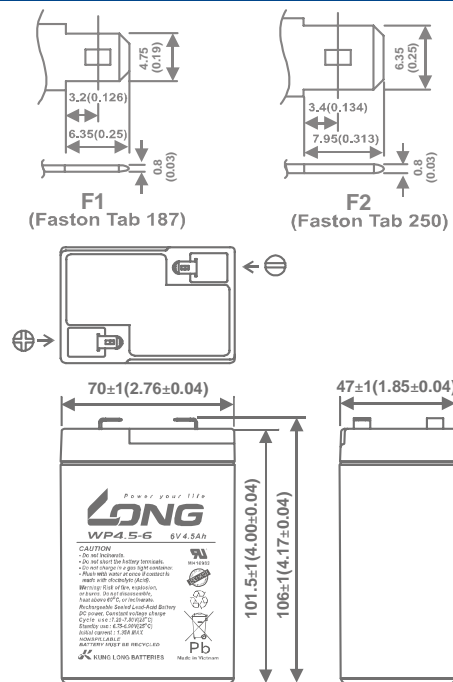
Terminal

F1 or F2 (Faston Tab 187 or 250)

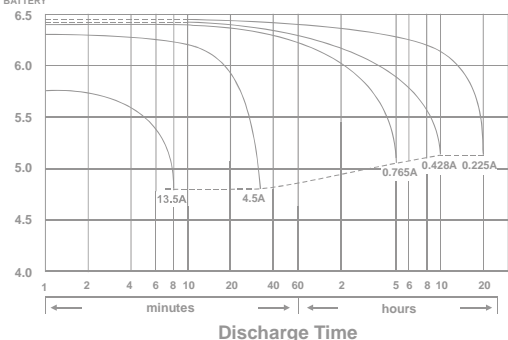


Dimensions

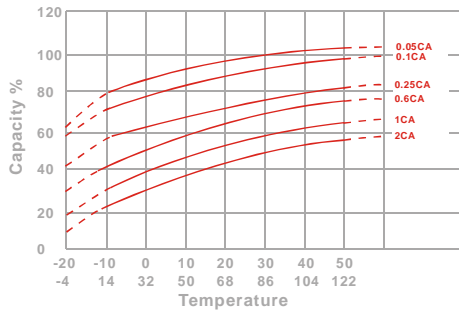
mm(inch)



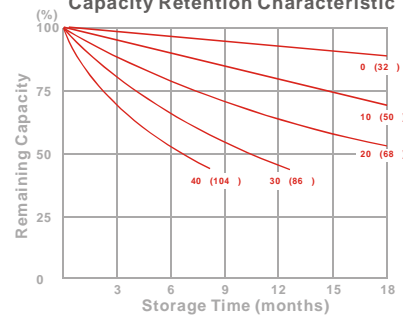
(V) FOR 6V BATTERY Discharge Time VS. Discharge Current (25)



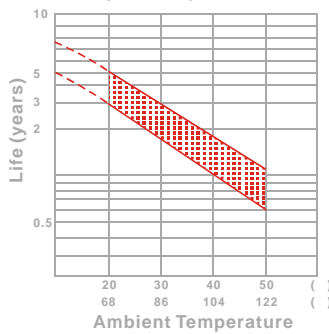
Effect of Temperature on Capacity 25 (77)



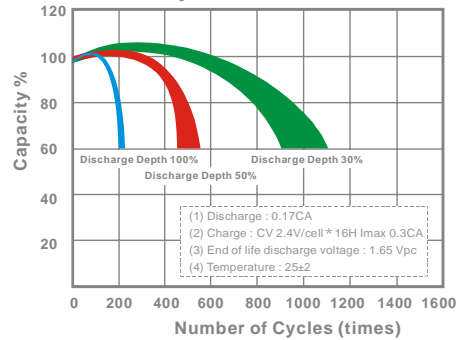
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	71.5	80.5	87.0	93.0	95.5	98.5	102
10	min	51.0	57.5	61.5	64.5	66.0	67.5	69.0
15	min	42.3	46.7	48.6	49.6	50.0	50.5	51.0
30	min	24.6	27.5	28.6	29.1	29.4	29.8	30.1
60	min	12.6	14.3	15.4	16.3	16.6	17.0	17.2
120	min	7.45	8.30	8.70	9.00	9.15	9.35	9.55
180	min	5.90	6.50	6.80	7.05	7.15	7.30	7.45
240	min	4.80	5.20	5.40	5.55	5.65	5.75	5.85
300	min	4.38	4.68	4.81	4.91	4.96	5.05	5.15
600	min	2.57	2.74	2.82	2.88	2.91	2.94	2.98
1200	min	1.30	1.41	1.50	1.53	1.54	1.56	1.58

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	15.3	17.6	18.9	19.5	19.7	19.9	20.2
10	min	10.5	11.7	11.9	12.1	12.2	12.3	12.4
15	min	7.56	8.22	8.71	8.92	8.99	9.07	9.15
30	min	4.39	4.94	5.11	5.25	5.30	5.35	5.41
60	min	2.36	2.61	2.73	2.84	2.87	2.91	2.94
120	min	1.32	1.44	1.50	1.54	1.55	1.57	1.59
180	min	1.09	1.15	1.18	1.20	1.21	1.22	1.23
240	min	0.835	0.891	0.916	0.942	0.948	0.955	0.963
300	min	0.776	0.812	0.825	0.837	0.841	0.846	0.852
600	min	0.435	0.452	0.464	0.473	0.477	0.481	0.486
1200	min	0.219	0.233	0.241	0.247	0.250	0.253	0.257

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%)

291015-1G



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