

### ⚡ Specifications

#### Nominal Voltage(V)

12V

#### Nominal Capacity

20 hour rate	(0.4A to 10.50V)	8Ah
10 hour rate	(0.76A to 10.50V)	7.6Ah
5 hour rate	(1.36A to 10.20V)	6.8Ah
1 C	(8A to 9.60V)	4.27Ah
3 C	(24A to 9.60V)	2.8Ah

#### Weight

Approx. 2.3kg(5.06Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 19 mΩ

#### Maximum Discharge Current for

5 seconds: 120A

#### Charging Methods at 25°C(77°F)

Maximum Charging Current :	2.4A
Standby use:	
Float Charging Voltage	13.5 to 13.8V
Coefficient	-3.0mV/°C/cell

#### 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	97%
3 month	92%
6 month	85%

#### Case Material

ABS UL94 HB  
Option: Flammability resistance of (UL94 V-0)

#### Design Life

EUROBAT(20°C): 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)

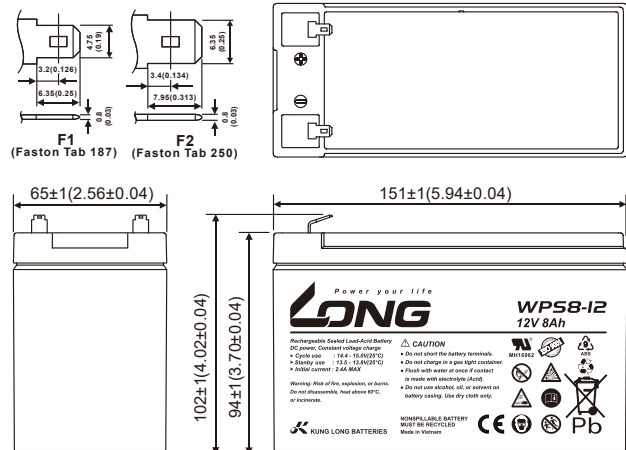
#### Height (H)

94 ± 1 (3.70 ± 0.04)

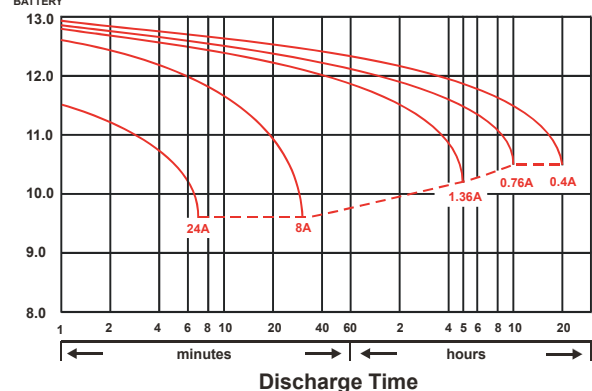
#### Overall Height (HT)

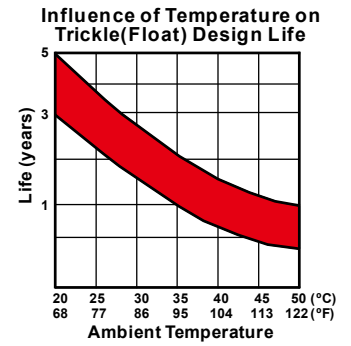
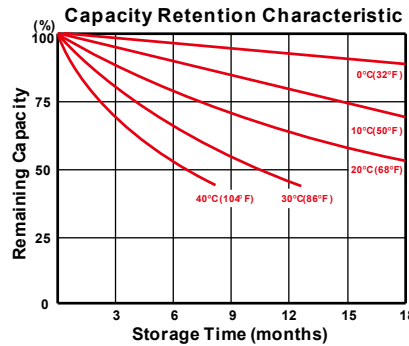
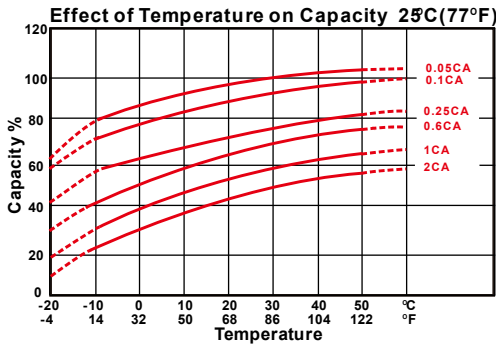
102 ± 1 (4.02 ± 0.04)

mm(inch)



(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)





### - PERFORMANCE DATA

#### Discharge Rates in Watts to Various End Voltages at 25°C(77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
		10	min	33.5	36.7	38.6	38.9	39.4
15	min	25.0	27.0	28.5	29.5	29.8	30.1	30.6
30	min	15.7	16.5	17.0	17.5	17.7	17.9	18.1
60	min	9.92	10.2	10.4	10.6	10.6	10.6	10.8
120	min	5.37	5.54	5.65	5.75	5.77	5.83	5.89
180	min	3.82	3.94	4.04	4.13	4.17	4.22	4.26
240	min	2.96	3.09	3.18	3.23	3.25	3.28	3.32
300	min	2.49	2.59	2.68	2.75	2.78	2.80	2.82
600	min	1.39	1.45	1.54	1.56	1.56	1.57	1.59
1200	min	0.750	0.783	0.824	0.832	0.835	0.842	0.851

#### - Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
		10	min	17.5	19.2	20.4	20.8	21.0
15	min	14.2	15.1	15.6	15.9	16.0	16.2	16.5
30	min	8.61	8.92	9.14	9.30	9.38	9.45	9.61
60	min	4.96	5.11	5.23	5.34	5.37	5.40	5.46
120	min	2.62	2.71	2.78	2.84	2.86	2.89	2.92
180	min	1.83	1.89	1.95	2.00	2.02	2.04	2.07
240	min	1.42	1.49	1.54	1.57	1.58	1.59	1.61
300	min	1.23	1.28	1.36	1.38	1.39	1.40	1.41
600	min	0.687	0.717	0.760	0.769	0.773	0.778	0.789
1200	min	0.359	0.376	0.400	0.403	0.405	0.408	0.413

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

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

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