

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate: 50W/cell to 1.67V/cell

Nominal Capacity

20 hour rate	(0.7A to 10.50V)	14Ah
8 hour rate	(1.61A to 10.50V)	12.88Ah
5 hour rate	(2.38A to 10.20V)	11.90Ah

Weight

Approx. 4.3kg(9.46Lbs.)

Internal Resistance (at 1KHz)

Approx. 8mΩ

Maximum Discharge Current for

5 seconds: 210A

Short Circuit Current (A) IEC 60896-21-22

350 A

Charging Methods at 25°C(77°F)

Maximum Charging Current :	4.2A
Boost Charging Voltage	14.4 to 15.0V
Boost Charge Time	8-9Hr
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	98%
3 month	96%
6 month	94%

Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Battery Construction

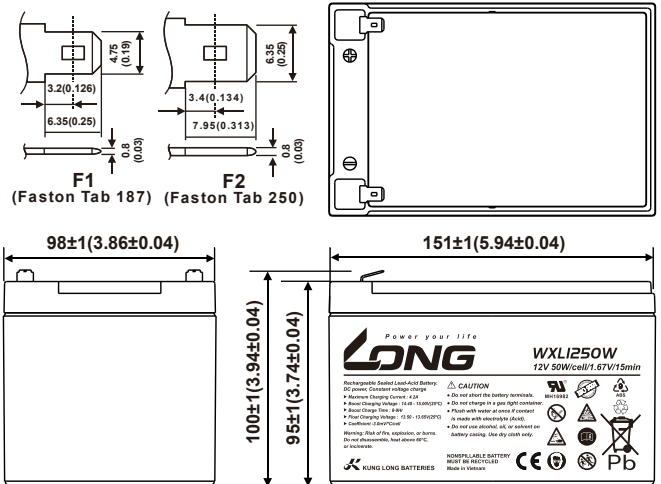
Component	Positive Plate	Negative plate	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	Rubber	Copper	AGM	Sulfuric acid



⚡ Dimensions

Length (L)	151±1 (5.94±0.04)
Width (W)	98±1 (3.86±0.04)
Height (H)	95±1 (3.74±0.04)
Overall Height (HT)	100±1 (3.94±0.04)

mm(inch)

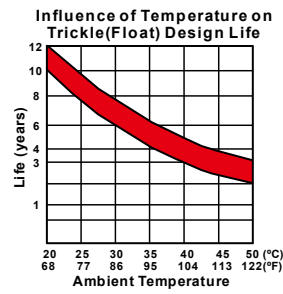
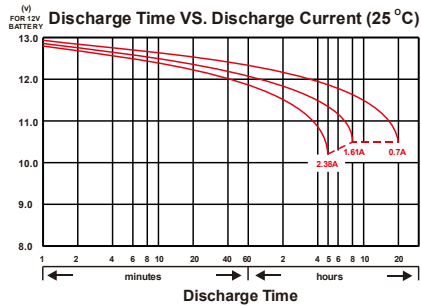
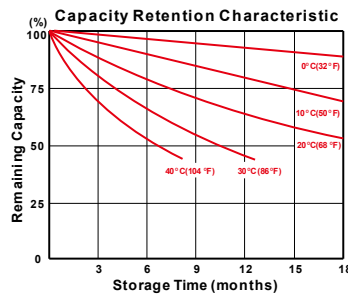
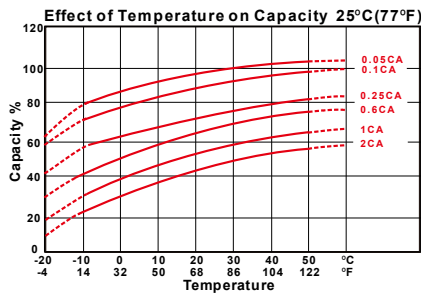


Terminal

F1 or F2 (Faston Tab 187 or 250)

Design Life

EUROBAT(20°C) : 10/12 YEARS LONG LIFE



- 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
2	min	131	147	161	169	174	177	179
5	min	94.4	102	108	113	116	118	119
8	min	75.6	79.9	83.3	86.0	87.8	88.9	89.6
10	min	64.7	67.6	70.0	71.5	72.5	73.2	73.5
15	min	44.0	46.5	48.5	49.5	50.0	50.3	50.5
30	min	25.8	28.1	29.7	30.3	30.6	30.9	31.1
45	min	20.0	21.8	23.4	24.0	24.3	24.5	24.6
60	min	16.5	17.4	18.0	18.5	18.8	19.1	19.3
90	min	11.4	12.2	12.7	13.0	13.2	13.3	13.4
120	min	9.50	9.81	10.1	10.4	10.6	10.7	10.8
180	min	6.80	6.97	7.10	7.20	7.28	7.33	7.38
240	min	5.20	5.40	5.55	5.67	5.75	5.80	5.82
300	min	4.45	4.56	4.65	4.72	4.77	4.80	4.82
480	min	2.85	2.96	3.04	3.09	3.12	3.13	3.14
600	min	2.40	2.49	2.55	2.60	2.63	2.65	2.66
1200	min	1.22	1.27	1.30	1.32	1.33	1.34	1.35

- 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
2	min	69.9	78.4	86.3	91.6	95.6	99.2	103
5	min	47.0	53.0	58.0	61.2	63.3	64.5	65.5
8	min	38.5	40.6	42.4	43.8	44.6	45.1	45.4
10	min	33.5	35.7	37.5	38.7	39.2	39.5	39.7
15	min	22.0	24.3	26.2	27.5	28.0	28.2	28.4
30	min	13.3	13.7	14.0	14.3	14.5	14.7	14.8
45	min	10.6	11.2	11.7	12.0	12.2	12.3	12.4
60	min	8.15	8.32	8.45	8.55	8.60	8.63	8.65
90	min	5.77	6.10	6.34	6.46	6.51	6.54	6.56
120	min	5.05	5.35	5.60	5.75	5.80	5.83	5.86
180	min	3.35	3.45	3.52	3.57	3.60	3.62	3.64
240	min	2.60	2.73	2.81	2.85	2.87	2.88	2.89
300	min	2.20	2.30	2.38	2.40	2.41	2.42	2.42
480	min	1.48	1.57	1.62	1.64	1.65	1.66	1.67
600	min	1.15	1.27	1.36	1.38	1.39	1.40	1.41
1200	min	0.59	0.65	0.70	0.71	0.72	0.72	0.73

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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