

Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate: 23W/cell to 1.67V/cell

Nominal Capacity

20 hour rate	(0.25A to 10.50V)	5Ah
8 hour rate	(0.6A to 10.50V)	4.8Ah
5 hour rate	(0.85A to 10.20V)	4.25Ah

Weight

Approx. 1.9kg(4.2Lbs.)

Internal Resistance (at 1KHz)

Approx. 17 mΩ

Maximum Discharge Current for

5 seconds: 75A

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

240 A

Charging Methods at 25°C(77°F)

Maximum Charging Current :	1.5A
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)

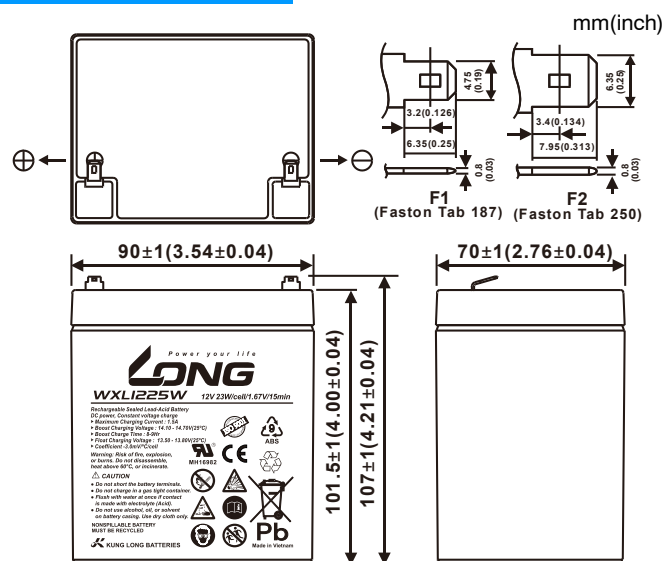
Battery Construction

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



Dimensions

Length (L)	90±1 (3.54±0.04)
Width (W)	70±1 (2.76±0.04)
Height (H)	101.5±1 (4.00±0.04)
Overall Height (HT)	107±1 (4.21±0.04)

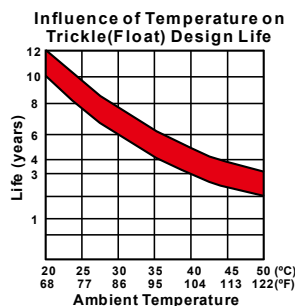
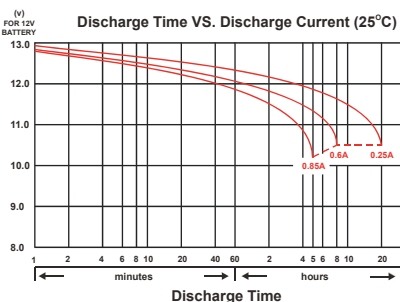
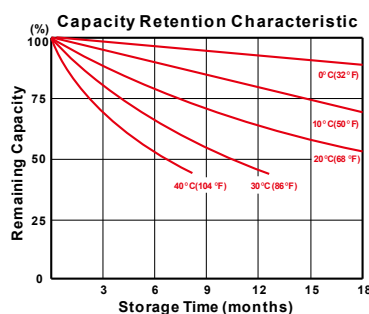
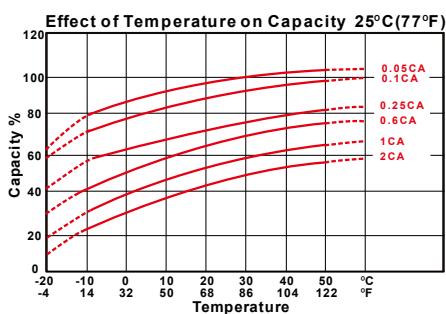


Terminal

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)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
2	min	57.2	61.7	65.6	67.8	70.0	71.8	73.6
4	min	42.9	45.8	48.3	50.8	53.3	55.8	58.2
5	min	37.1	40.1	43.0	45.7	47.0	48.2	49.3
6	min	36.0	39.0	41.7	42.5	43.0	43.3	43.6
8	min	33.2	35.2	36.3	36.7	37.1	37.5	37.7
10	min	26.2	28.3	29.8	30.6	31.0	31.3	31.6
15	min	21.5	22.2	22.7	23.1	23.5	23.8	24.0
20	min	17.1	17.9	18.5	18.9	19.2	19.5	19.7
30	min	12.0	12.7	13.1	13.3	13.4	13.5	13.6
45	min	8.94	9.59	10.2	10.4	10.6	10.7	10.8
60	min	5.97	6.45	6.70	6.93	7.05	7.15	7.28
90	min	5.03	5.38	5.69	5.77	5.85	5.91	5.95
120	min	3.15	3.63	3.85	3.98	4.07	4.16	4.20
180	min	2.43	2.65	2.85	2.97	3.04	3.11	3.16
240	min	2.08	2.21	2.32	2.38	2.42	2.46	2.50
300	min	1.70	1.82	1.90	1.94	1.98	2.01	2.04
480	min	1.10	1.19	1.25	1.29	1.30	1.31	1.32
1200	min	0.519	0.544	0.573	0.580	0.585	0.590	0.594

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
2	min	27.6	31.3	34.3	36.9	38.9	40.9	42.1
4	min	24.9	26.4	27.3	28.0	28.6	29.1	29.6
5	min	18.7	22.8	25.2	26.4	27.0	27.3	27.5
6	min	17.6	21.1	22.2	23.1	23.7	24.1	24.4
8	min	16.5	17.7	18.5	19.1	19.7	20.1	20.3
10	min	13.8	15.0	15.9	16.7	16.9	17.3	17.8
15	min	10.6	11.3	11.7	12.0	12.2	12.4	12.6
20	min	9.03	9.35	9.63	9.74	9.82	9.90	9.95
30	min	5.98	6.31	6.49	6.59	6.68	6.77	6.85
45	min	4.65	4.96	5.24	5.30	5.34	5.36	5.38
60	min	3.09	3.34	3.48	3.57	3.63	3.69	3.74
90	min	2.53	2.73	2.85	2.91	2.97	3.03	3.08
120	min	1.72	1.85	1.92	1.98	2.01	2.03	2.06
180	min	1.37	1.46	1.51	1.55	1.57	1.59	1.61
240	min	0.974	1.05	1.09	1.13	1.15	1.17	1.18
300	min	0.863	0.868	0.872	0.874	0.876	0.878	0.880
480	min	0.533	0.572	0.600	0.625	0.634	0.639	0.643
1200	min	0.240	0.249	0.256	0.258	0.259	0.260	0.261

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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