

### ⚡ Specifications

#### Nominal Voltage(V)

12V

#### Nominal Power

15 mins rate: 950W/cell to 1.67V/cell

#### Nominal Capacity

20 hour rate	(12.5A to 10.50V)	250Ah
10 hour rate	(23.75A to 10.50V)	237.5Ah
8 hour rate	(28.75A to 10.50V)	230Ah
5 hour rate	(42.5A to 10.20V)	212.5Ah

#### Weight

Approx. 75kg(165.0Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 2.1 mΩ

#### Maximum Discharge Current for

5 seconds: 2000A

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

5980A

#### Charging Methods at 25°C(77°F)

Maximum Charging Current :	75A
Boost Charging Voltage	14.1 to 14.4V
Boost Charge Time	8-9Hr
Float Charging Voltage	13.5 to 13.65V
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

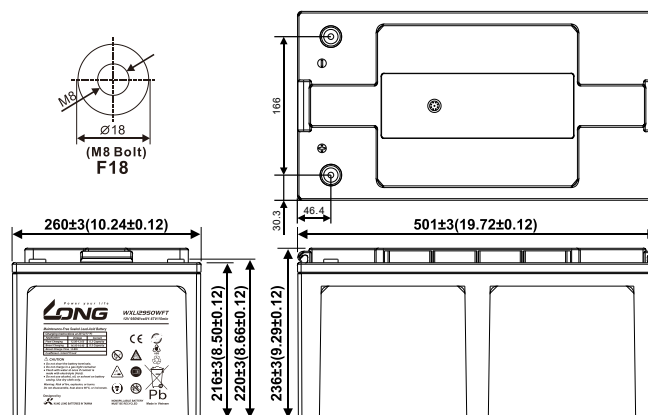
Component	Positive Plate	Negative plate	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	Rubber	Copper	AGM	Sulfuric acid



### ⚡ Dimensions

Length (L)	501±3 (19.72±0.12)
Width (W)	260±3 (10.24±0.12)
Height (H)	216±3 (8.50±0.12)
Overall Height (HT)	236±3 (9.29±0.12)

mm(inch)



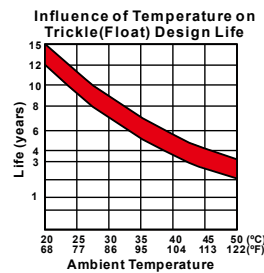
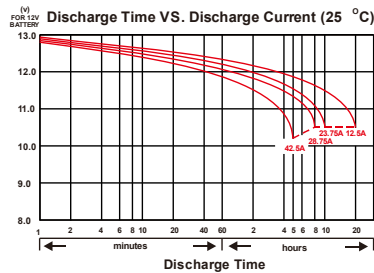
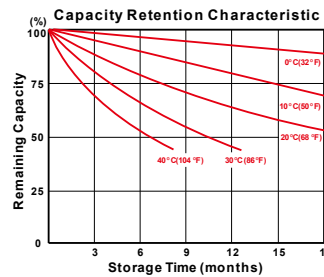
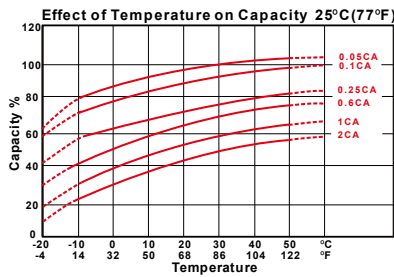
#### Terminal

F18

Recommended torque value	M8: 12 N-m (122 kgf-cm)
Maximum allowable torque value	M8: 20 N-m (204 kgf-cm)

#### Design Life

EUROBAT(20°C) : >12 YEARS VERY LONG LIFE



### - PERFORMANCE DATA

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

End Voltage		1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	1222	1378	1420	1444	1458	1495
10	min	1073	1146	1182	1192	1200	1222
15	min	874	914	935	950	953	956
30	min	544	562	571	573	576	581
45	min	394	406	411	413	414	416
60	min	323	334	340	341	342	344
120	min	184	189	191	192	192	193
180	min	131	135	137	138	138	139
240	min	102	105	108	108	108	109
300	min	85.3	88.1	89.4	89.8	90.1	90.4
360	min	74.6	76.9	78.0	78.5	78.7	78.9
480	min	56.9	58.5	59.2	59.6	59.7	59.9
600	min	47.2	48.0	48.5	48.6	48.7	48.9
1200	min	24.7	25.0	25.2	25.2	25.3	25.3

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

End Voltage		1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	635	729	796	805	818	848
10	min	577	626	665	670	676	692
15	min	466	493	514	517	524	532
30	min	281	293	301	302	304	309
45	min	195	202	207	208	210	213
60	min	157	163	167	167	168	170
120	min	88.0	91.0	92.0	93.0	93.0	94.0
180	min	62.0	65.0	66.0	66.0	67.0	67.0
240	min	49.0	50.0	51.0	51.0	52.0	52.0
300	min	40.0	42.0	42.0	43.0	43.0	44.0
360	min	35.0	36.0	37.0	37.0	38.0	38.0
480	min	27.0	27.0	28.0	28.0	28.0	29.0
600	min	24.0	24.0	24.0	25.0	25.0	25.0
1200	min	12.5	12.7	12.8	12.8	12.8	12.9

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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