

### ⚡ Specifications

#### Nominal Voltage(V)

12V

#### Nominal Power

15 mins rate: 710W/cell to 1.67V/cell

#### Nominal Capacity

20 hour rate	(10A to 10.50V)	200Ah
10 hour rate	(19.2A to 10.50V)	192Ah
8 hour rate	(23A to 10.50V)	184Ah
5 hour rate	(34A to 10.20V)	170Ah

#### Weight

Approx. 58kg(127.6Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 3 mΩ

#### Maximum Discharge Current for

5 seconds: 1700A

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

3350 A

#### Charging Methods at 25°C(77°F)

Maximum Charging Current :	60A
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

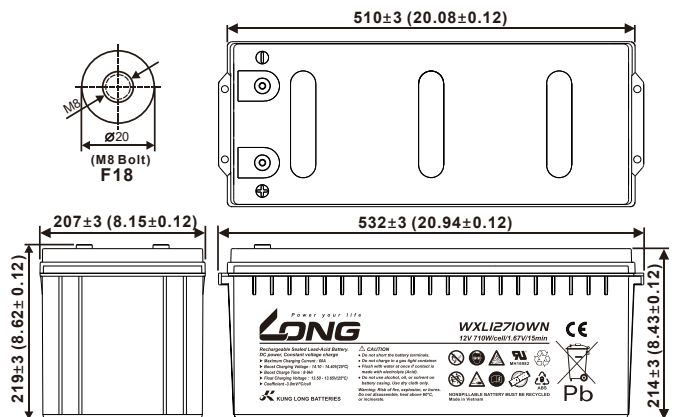
Component	Positive Plate	Negative plate	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	Rubber	Copper	AGM	Sulfuric acid



### ⚡ Dimensions

Length (L)	532±3 (20.94±0.12)
Width (W)	207±3 (8.15±0.12)
Height (H)	214±3 (8.43±0.12)
Overall Height (HT)	219±3 (8.62±0.12)

mm(inch)



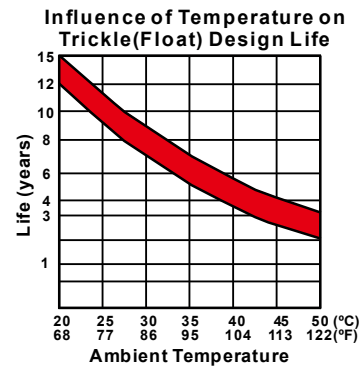
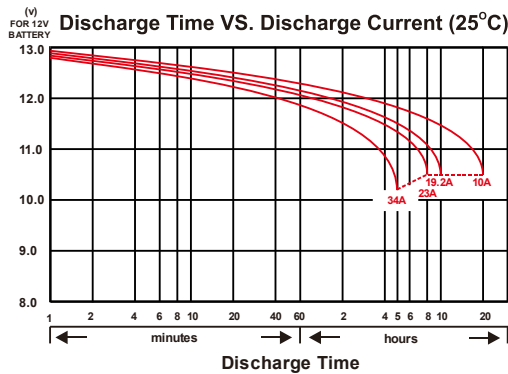
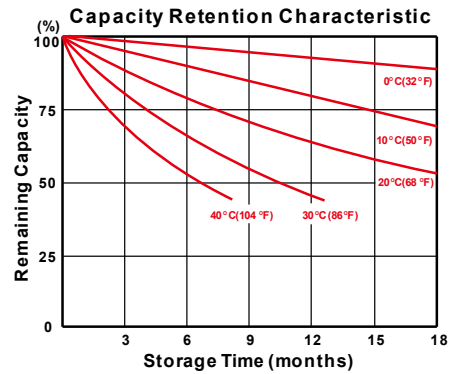
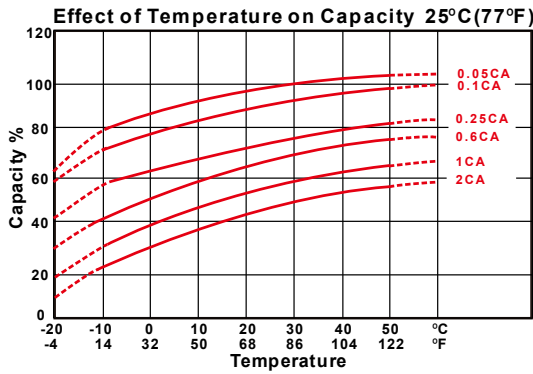
#### Terminal

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
Time	min						
5	min	957	977	996	1108	1117	1135
10	min	790	805	819	848	854	865
15	min	644	679	702	711	718	731
30	min	413	432	449	467	474	486
45	min	303	316	331	341	346	356
60	min	237	248	259	268	272	278

#### - 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
Time	min						
5	min	656	670	689	703	713	715
10	min	435	455	466	484	491	493
15	min	335	343	352	357	362	363
30	min	241	249	256	260	265	266
45	min	177	185	194	199	207	208
60	min	139	144	152	156	162	163

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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