

⚡ 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

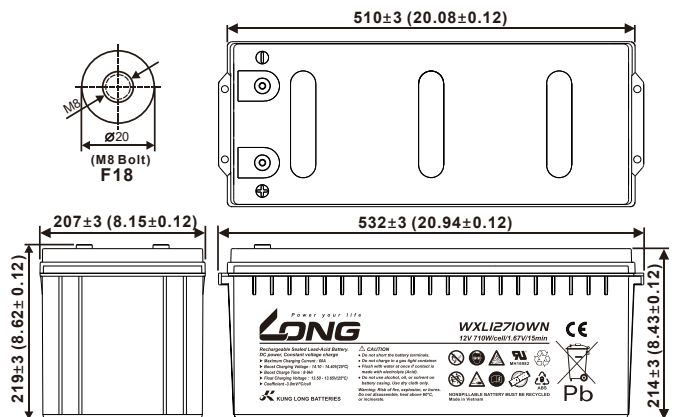
Component	Positive Plate	Negative plate	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	Rubber	Copper	AGM	Sulfuric acid



⚡ 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)



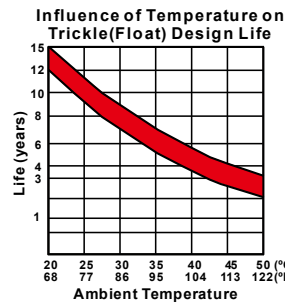
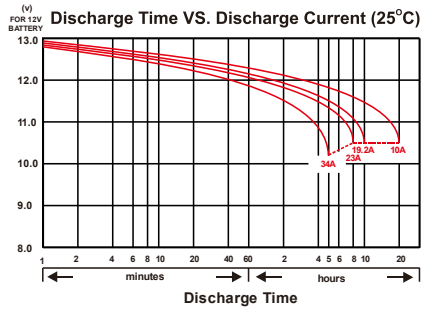
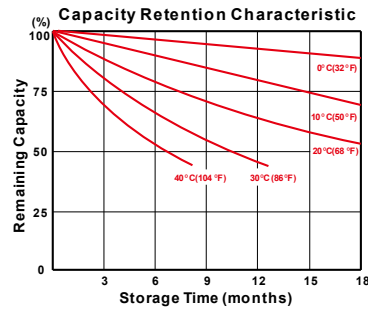
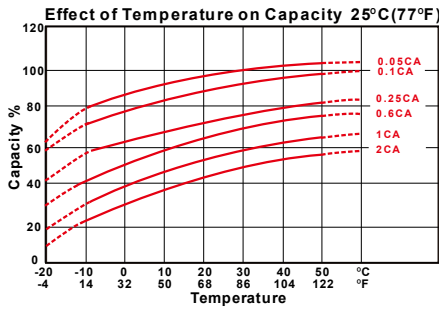
Terminal

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)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
2	min	980	1095	1205	1293	1375	1434	1485
4	min	902	957	1012	1062	1102	1142	1183
5	min	877	932	980	1025	1065	1105	1135
8	min	797	833	873	913	943	973	993
10	min	666	736	805	840	850	860	865
15	min	588	638	680	700	710	720	730
30	min	400	425	450	458	463	467	470
45	min	290	303	315	325	329	333	335
60	min	225	238	249	255	260	265	270
90	min	152	167	181	185	188	190	191
120	min	118	132	147	151	153	155	157
180	min	96.0	102	108	110	111	112	113
240	min	79.4	83.7	88.0	89.8	90.4	90.8	91.1
300	min	66.3	69.0	71.4	72.6	73.1	73.5	73.9
480	min	43.5	45.3	47.0	48.0	48.6	49.1	49.5
600	min	35.1	36.6	37.9	38.9	39.4	39.9	40.2
1200	min	17.9	18.6	19.3	19.8	20.1	20.3	20.5

- 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	525	605	680	750	780	810	830
4	min	480	525	570	610	645	680	710
5	min	465	510	555	595	625	655	680
8	min	395	440	485	530	555	580	600
10	min	350	400	450	480	490	495	500
15	min	310	345	375	390	400	405	410
30	min	180	196	212	213	214	215	216
45	min	126	140	150	154	154	155	156
60	min	104	108	120	123	124	125	126
90	min	78.2	82.2	85.9	89.6	92.7	95.9	99.0
120	min	60.9	64.8	68.7	71.8	72.0	73.6	74.6
180	min	49.4	49.7	49.9	50.1	50.3	50.5	50.7
240	min	41.0	41.5	39.9	40.4	40.8	41.3	41.6
300	min	33.1	33.5	33.9	34.3	34.5	34.8	34.9
480	min	21.2	21.7	22.1	22.5	22.7	22.8	22.9
600	min	17.7	18.5	19.3	19.7	19.9	20.0	20.0
1200	min	9.1	9.6	10.1	10.1	10.2	10.2	10.3

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%)

270426-1D