

Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate: 700W/cell to 1.67V/cell

Nominal Capacity

20 hour rate	(10A	to	10.50V)	200Ah
10 hour rate	(19A	to	10.50V)	190Ah
8 hour rate	(23A	to	10.50V)	184Ah
5 hour rate	(34A	to	10.20V)	170Ah

Weight

Approx. 60.0kg(132Lbs.)

Internal Resistance (at 1KHz)

Approx. 2.8 mΩ

Maximum Discharge Current for

5 seconds: 1200A

Charging Methods at 25°C(77°F)

Maximum Charging Current :	60A
Boost Charging Voltage	14.10 to 14.40V
Boost Charge Time	8-9Hr
Float Charging Voltage	13.50 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)



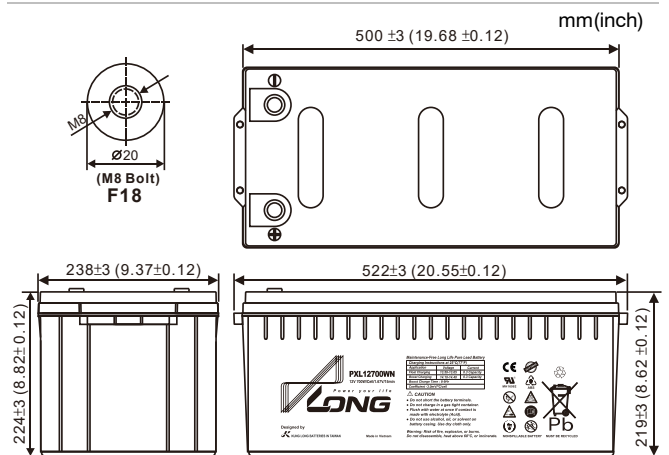
Dimensions

Length (L) 522±3 (20.55±0.12)

Width (W) 238±3 (9.37±0.12)

Height (H) 219±3 (8.62±0.12)

Overall Height (HT) 224±3 (8.82±0.12)



Terminal

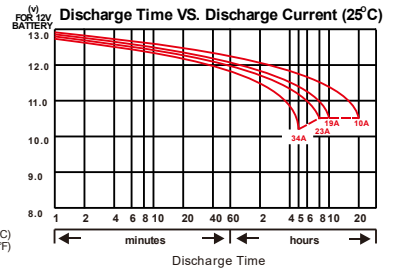
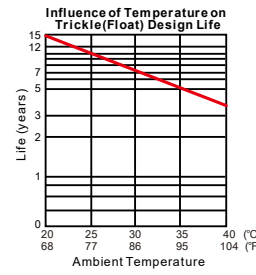
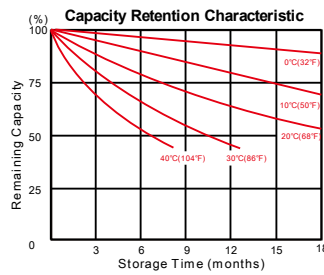
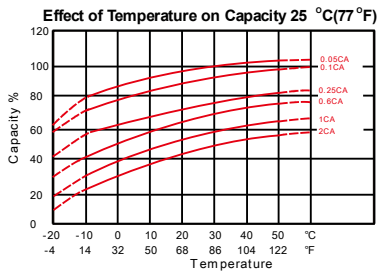
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Recommended torque value M8: 12 N-m (122 kgf-cm)

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

Design Life

15 years



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
5	min	720	815	902	983	1021	1053	1080
8	min	639	702	761	810	842	873	900
10	min	581	648	711	765	790	810	828
15	min	578	618	655	685	700	704	708
20	min	486	519	542	559	574	586	594
30	min	369	393	408	418	423	425	427
45	min	276	291	303	311	317	321	325
60	min	195	203	208	213	216	219	221
90	min	144	147	149	150	151	151	152
120	min	124	129	133	135	136	137	138
180	min	87.9	91.1	93.9	95.4	96.4	97.0	97.5
240	min	73.6	75.1	76.5	77.2	77.7	77.9	78.1
300	min	62.5	64.2	65.7	66.2	66.5	66.7	66.9
480	min	40.7	44.1	46.6	47.3	47.6	47.8	48.0
600	min	36.6	37.7	38.5	38.7	38.8	38.9	39.0
1200	min	19.2	19.8	20.2	20.3	20.3	20.4	20.4

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
5	min	374	446	504	558	595	621	639
8	min	320	374	419	459	491	518	540
10	min	302	351	392	428	455	473	486
15	min	299	331	361	385	401	414	425
20	min	255	275	289	301	311	321	328
30	min	177	184	191	196	199	202	204
45	min	132	141	145	148	150	151	152
60	min	110	113	115	117	118	119	120
90	min	70.5	76.7	81.9	84.3	85.7	86.6	87.1
120	min	65.8	68.4	70.6	71.7	72.1	72.2	72.3
180	min	44.6	47.3	49.5	50.1	50.3	50.5	50.6
240	min	36.8	38.0	39.1	39.5	39.7	39.8	39.9
300	min	31.7	32.9	33.7	34.0	34.1	34.3	34.4
480	min	19.8	21.4	23.0	23.2	23.3	23.4	23.5
600	min	18.4	19.2	20.0	20.0	20.1	20.1	20.1
1200	min	9.48	9.74	10.0	10.0	10.1	10.1	10.1

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%)