

Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate: 350W/cell to 1.67V/cell

Nominal Capacity

20 hour rate	(4.75A to 10.50V)	95Ah
10 hour rate	(9.025A to 10.50V)	90.25Ah
8 hour rate	(10.925 to 10.50V)	87.4Ah
5 hour rate	(16.15A to 10.20V)	80.75Ah

Weight

Approx. 26.0kg(57.2Lbs.)

Internal Resistance (at 1KHz)

Approx. 5 mΩ

Maximum Discharge Current for

5 seconds: 1140A

Charging Methods at 25°C(77°F)

Maximum Charging Current :	28.5A
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)



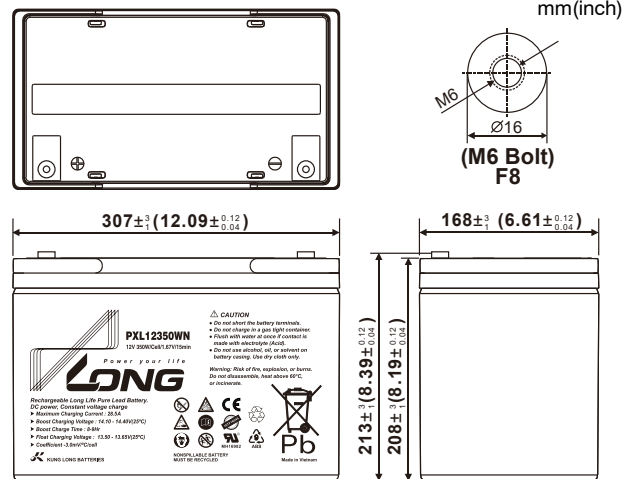
Dimensions

Length (L) 307±³₁ (12.09±^{0.12}_{0.04})

Width (W) 168±³₁ (6.61±^{0.12}_{0.04})

Height (H) 208±³₁ (8.19±^{0.12}_{0.04})

Overall Height (HT) 213±³₁ (8.39±^{0.12}_{0.04})



Terminal

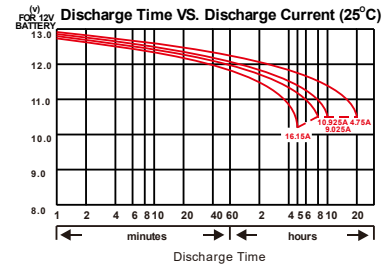
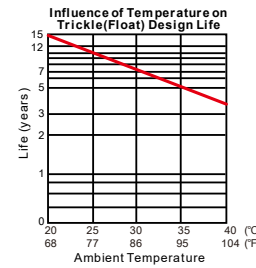
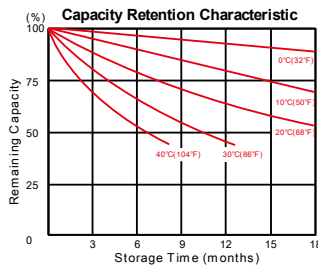
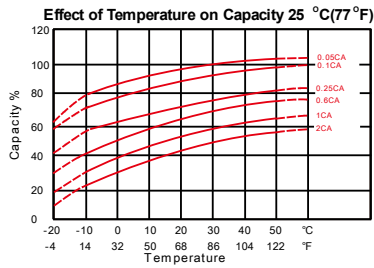
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Recommended torque value M6: 7 N-m (71 kgf-cm)

Maximum allowable torque value M6: 10 N-m (102 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
Time								
2	min	480	550	612	662	707	747	787
4	min	460	521	570	605	627	646	661
5	min	445	508	549	579	600	615	623
6	min	425	484	523	554	574	586	591
8	min	393	441	470	489	502	512	519
10	min	352	400	424	434	437	440	442
15	min	289	309	328	343	350	354	357
20	min	244	260	272	281	288	294	298
30	min	185	197	205	210	212	213	214
40	min	153	164	173	179	183	185	186
45	min	139	146	152	156	159	161	163
60	min	106	112	118	119	120	121	121
90	min	82.9	84.3	85.4	86.0	86.4	86.7	86.8
120	min	63.1	65.0	66.5	67.2	67.5	67.8	67.9
180	min	44.0	45.0	45.8	46.3	46.6	46.8	46.9
240	min	35.5	36.7	37.5	38.0	38.3	38.5	38.6
300	min	31.4	32.4	33.2	33.5	33.6	33.7	33.8
480	min	20.7	22.4	23.7	24.1	24.2	24.3	24.4
600	min	17.8	18.7	19.3	19.8	20.1	20.3	20.4
1200	min	9.28	9.71	10.1	10.3	10.4	10.5	10.6

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	257	302	341	385	425	457	484
4	min	242	287	322	350	372	390	401
5	min	234	272	303	328	350	366	379
6	min	222	255	282	307	324	337	344
8	min	201	229	252	268	281	290	300
10	min	180	205	225	236	239	242	244
15	min	150	166	180	192	200	206	212
20	min	123	133	140	146	151	156	159
30	min	95.4	99.2	102	105	107	109	110
40	min	79.6	84.3	87.4	90.2	92.6	94.6	96.1
45	min	71.2	75.8	78.2	79.5	80.5	81.2	81.7
60	min	55.3	57.7	59.7	60.9	61.6	62.0	62.4
90	min	45.4	46.6	47.5	48.3	48.7	49.1	49.3
120	min	35.0	37.1	38.1	38.9	39.5	39.9	40.2
180	min	22.5	23.9	25.0	25.7	26.0	26.3	26.4
240	min	18.4	19.1	19.6	20.0	20.3	20.5	20.6
300	min	16.2	16.7	17.0	17.3	17.5	17.6	17.7
480	min	10.9	11.3	11.6	11.8	11.9	12.0	12.1
600	min	9.14	9.37	9.65	9.80	9.85	9.88	9.9
1200	min	4.71	4.86	5.00	5.08	5.10	5.12	5.13

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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