

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(2.75A to 10.50V)	55Ah
10 hour rate	(5.225A to 10.80V)	52.25Ah
5 hour rate	(9.35A to 10.20V)	46.75Ah
1C	(55A to 9.60V)	34.83Ah
3C	(165A to 9.60V)	22Ah

Weight

Approx. 17.0kg(37.4Lbs.)

Internal Resistance (at 1KHz)

Approx. 8 mΩ

Maximum Discharge Current for

5 seconds:660A

Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 16.5A

Standby use:

Float Charging Voltage 13.5 to 13.8V

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 94%

6 month 85%

Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Design Life

Eurobat (20°C) : 10/12 years

Terminal

F8



⚡ Dimensions

Length (L)

226+2-1 (8.90+0.08-0.04)

Width (W)

135+2-1 (5.31+0.08-0.04)

Height (H)

207+2-1 (8.15+0.08-0.04)

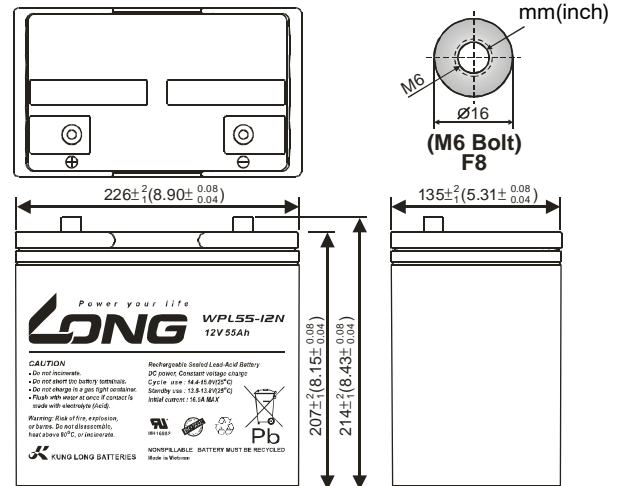
Overall Height (HT)

214+2-1 (8.43+0.08-0.04)

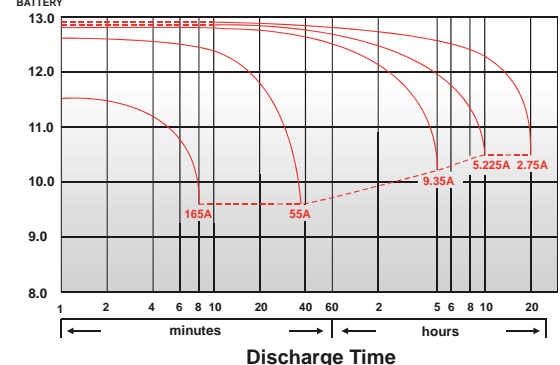
Description of torque value of hard ware for the terminals:

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

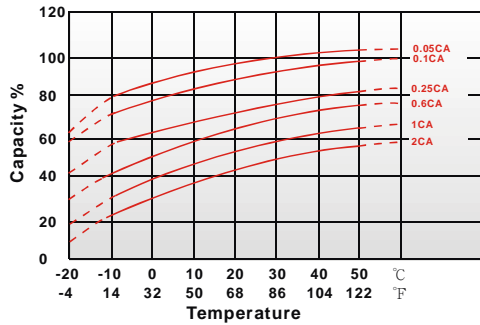
Maximum allowable torque value M6:9 N-m (92kgf-cm)



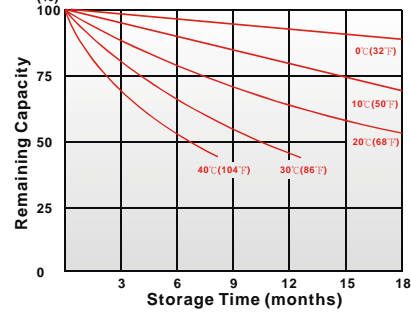
(V) Discharge Time VS. Discharge Current (25°C)



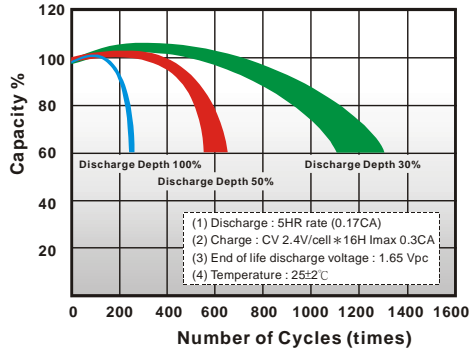
Effect of Temperature on Capacity 25°C(77°F)



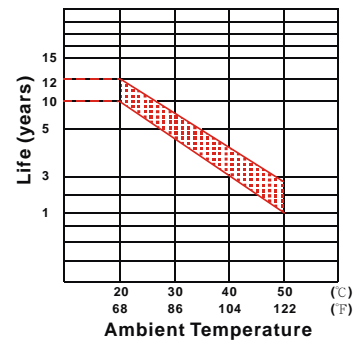
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



- 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	min	328	381	413	430	434	438	444
5	min	210	244	265	276	278	281	285
10	min	163	187	202	209	211	213	215
15	min	86.9	99.5	107	111	112	113	115
30	min	64.7	67.5	69.3	70.8	71.3	72.0	72.6
60	min	32.5	34.7	36.2	37.2	37.5	37.8	38.3
120	min	26.3	28.2	29.2	29.8	30.0	30.3	30.6
180	min	21.8	23.0	23.7	24.2	24.3	24.5	24.6
240	min	18.3	19.3	20.0	20.3	20.5	20.7	20.9
300	min	10.6	11.1	11.4	11.6	11.6	11.7	11.7
600	min	5.48	5.78	5.93	6.05	6.08	6.14	6.18
1200	min							

- 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	min	176	204	219	228	231	234	238
5	min	110	127	138	143	145	147	149
10	min	83.5	95.6	103	107	108	109	110
15	min	43.8	50.2	54.1	55.8	56.4	57.0	57.7
30	min	29.4	33.2	34.5	35.4	35.7	36.1	36.5
60	min	16.9	18.4	19.2	19.8	20.0	20.3	20.6
120	min	13.0	13.8	14.3	14.7	14.8	15.0	15.2
180	min	10.9	11.5	11.7	11.9	12.0	12.1	12.2
240	min	9.32	9.74	9.92	10.1	10.2	10.3	10.4
300	min	5.39	5.63	5.65	5.71	5.73	5.76	5.80
600	min	2.76	2.89	2.96	3.00	3.01	3.03	3.05
1200	min							

All data on the spec. sheet is an average value:

The tolerance range : X<6min(+15%~-15%), 6min ≤ X<10min(+12%~-12%), 10min ≤ X < 60min(+8%~-8%), X ≥ 60min(+5%~-5%)

140918-1A-DEU0002