

Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(2.75A to 10.50V)	55Ah
10 hour rate	(5.225A to 10.50V)	52.25Ah
5 hour rate	(9.35A to 10.20V)	46.75Ah
1 C	(55A to 9.60V)	31.17Ah
3 C	(165A to 9.60V)	22Ah

Weight

Approx. 17.1kg(37.62Lbs.)

Internal Resistance (at 1KHz)

Approx. 6 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	97%
3 month	92%
6 month	85%

Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Design Life

EUROBAT(20°C): 3-5 YEARS STANDARD COMMERCIAL

Terminal

F8



Dimensions

Length (L) 226 ± 2 (8.90 ± 0.08 / 0.04)

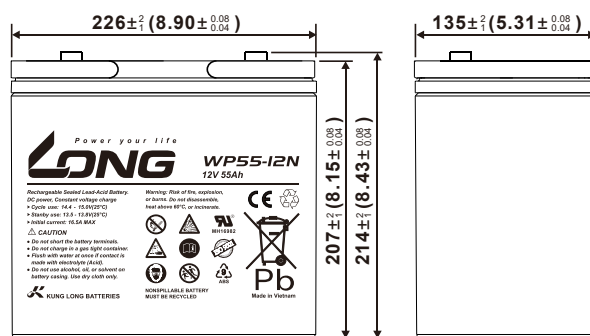
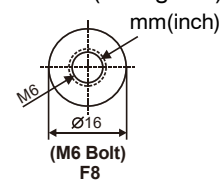
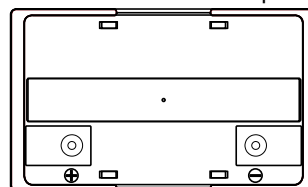
Width (W) 135 ± 2 (5.31 ± 0.08 / 0.04)

Height (H) 207 ± 2 (8.15 ± 0.08 / 0.04)

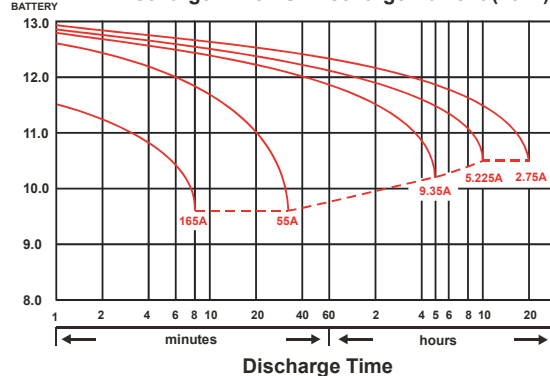
Overall Height (HT) 214 ± 2 (8.43 ± 0.08 / 0.04)

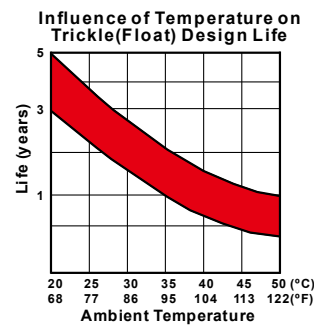
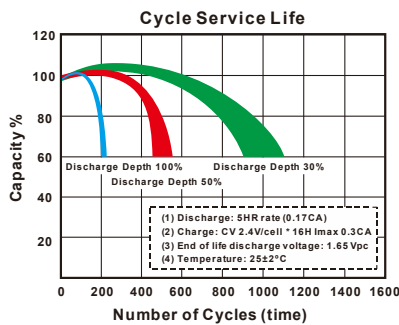
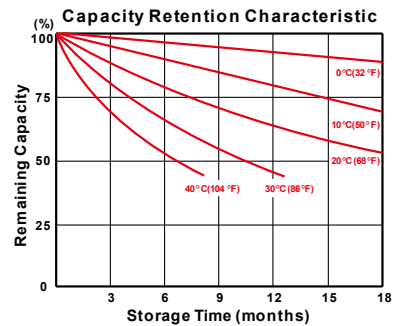
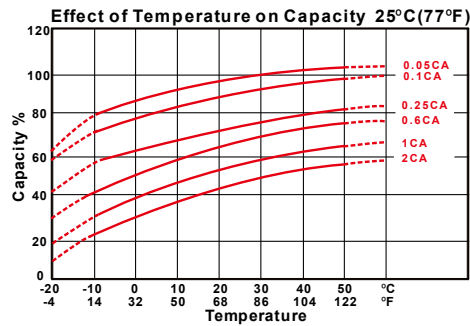
Description of torque value of hardware for the terminals:

Recommended torque value M6: 7 N-m (71 kgf-cm)
Maximum allowable torque value M6: 10 N-m (102 kgf-cm)



(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)





- 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								
5	min	300	338	365	393	413	431	445
10	min	221	246	266	284	296	305	311
15	min	196	211	222	226	229	231	233
30	min	119	124	128	132	135	138	140
60	min	65.0	67.4	69.6	71.5	72.1	72.4	72.6
120	min	33.3	35.5	37.1	37.8	38.3	38.7	39.1
180	min	26.8	28.7	29.7	30.2	30.6	30.9	31.2
240	min	21.9	22.9	23.8	24.2	24.5	24.7	24.9
300	min	18.4	19.3	20.1	20.4	20.5	20.7	20.9
480	min	12.0	12.6	13.0	13.3	13.5	13.6	13.7
600	min	10.7	11.1	11.5	11.7	11.8	12.0	12.1
1200	min	5.51	5.75	5.96	6.04	6.09	6.14	6.19

- 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								
5	min	158	180	196	209	218	226	231
10	min	117	136	147	153	158	162	164
15	min	91.3	100	105	110	114	116	118
30	min	57.9	63.1	65.7	67.4	69.2	70.7	71.6
60	min	29.2	32.5	34.3	34.9	35.4	35.8	36.2
120	min	16.8	18.1	19.0	19.5	19.9	20.2	20.4
180	min	12.7	13.5	14.0	14.3	14.5	14.7	14.9
240	min	10.8	11.2	11.6	11.8	12.0	12.2	12.4
300	min	8.95	9.34	9.53	9.67	9.80	9.89	10.0
480	min	5.79	6.09	6.36	6.40	6.42	6.43	6.44
600	min	5.30	5.41	5.51	5.57	5.62	5.68	5.73
1200	min	2.74	2.78	2.81	2.85	2.88	2.91	2.94

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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