

⚡ 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. 17.3kg(38.06Lbs.)

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)

Terminal

F15



⚡ Dimensions

Length (L)

226 \pm 1 (8.90 \pm 0.04)

Width (W)

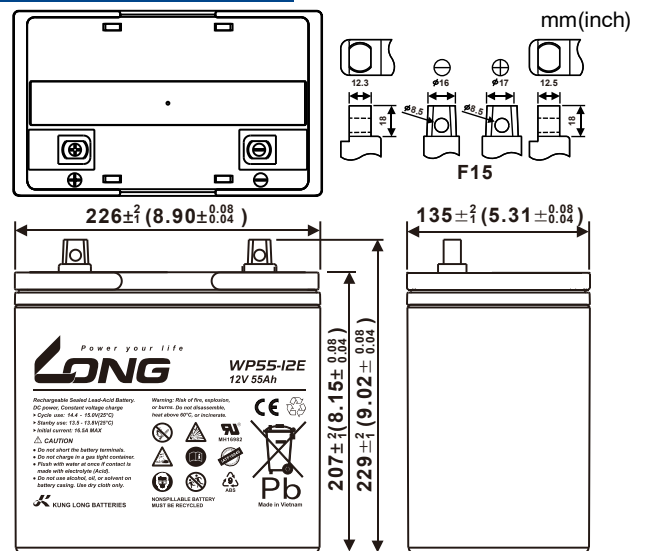
135 \pm 1 (5.31 \pm 0.04)

Height (H)

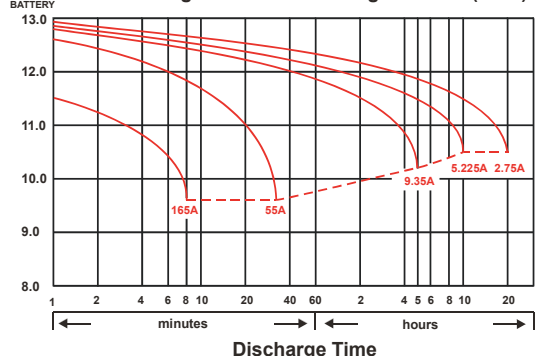
207 \pm 1 (8.15 \pm 0.04)

Overall Height (HT)

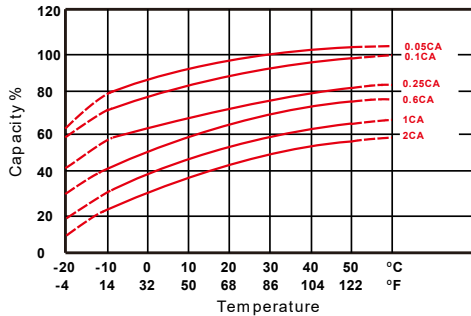
229 \pm 1 (9.02 \pm 0.04)



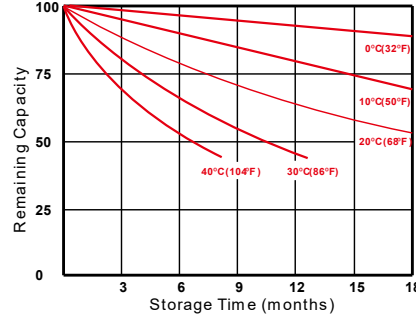
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



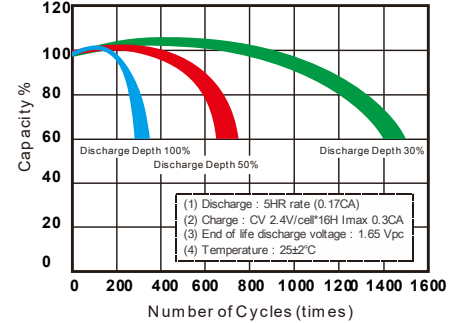
Effect of Temperature on Capacity 25°C(77°F)



Capacity Retention Characteristic



Cycle 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
15	min	172	186	196	201	204	206	208
30	min	103	110	116	121	123	125	127
60	min	60.5	63.0	64.8	66.2	66.8	67.3	67.6
120	min	31.6	33.6	35.2	36.4	36.8	36.9	37.1
180	min	25.5	27.0	28.2	29.0	29.4	29.5	29.6
240	min	20.8	21.8	22.6	23.1	23.4	23.6	23.7
300	min	18.1	19.0	19.8	20.2	20.4	20.5	20.6
480	min	12.0	12.6	13.0	13.3	13.5	13.6	13.7
600	min	10.5	11.0	11.3	11.5	11.6	11.7	11.8
1200	min	5.37	5.63	5.78	5.88	5.95	5.99	6.04

- 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
15	min	84.6	91.9	97.7	102	105	108	110
30	min	48.8	55.1	60.8	64.2	66.2	66.5	66.7
60	min	27.1	30.0	32.3	33.1	33.2	33.4	33.5
120	min	15.8	17.0	17.9	18.5	18.8	19.0	19.2
180	min	11.9	12.9	13.6	13.8	13.9	14.0	14.1
240	min	10.0	10.5	10.8	11.1	11.3	11.5	11.6
300	min	8.79	9.09	9.37	9.59	9.72	9.78	9.81
480	min	5.74	6.04	6.32	6.35	6.37	6.38	6.39
600	min	4.93	5.23	5.50	5.52	5.53	5.54	5.55
1200	min	2.48	2.63	2.77	2.79	2.79	2.80	2.80

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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