

### ⚡ 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
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	97%
3 month	92%
6 month	85%

#### Case Material

ABS UL94 HB  
Option: Flammability resistance of (UL94 V-0)

#### Design Life & Standard

EUROBAT(20°C) : 10/12 YEARS LONG LIFE

#### Terminal

F15



### ⚡ Dimensions

#### Length (L)

226±<sup>2</sup><sub>1</sub> (8.90±<sup>0.08</sup><sub>0.04</sub>)

#### Width (W)

135±<sup>2</sup><sub>1</sub> (5.31±<sup>0.08</sup><sub>0.04</sub>)

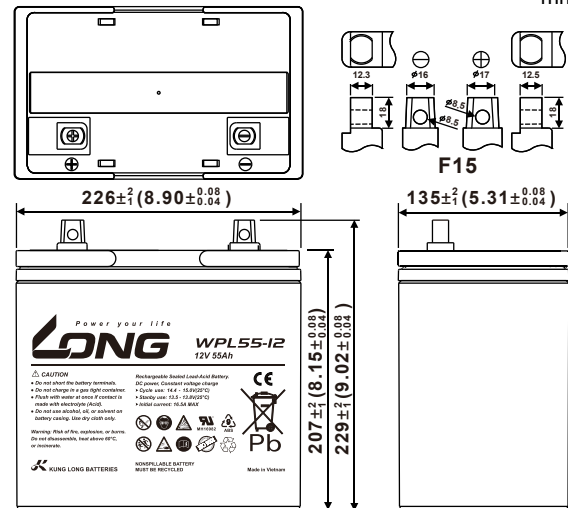
#### Height (H)

207±<sup>2</sup><sub>1</sub> (8.15±<sup>0.08</sup><sub>0.04</sub>)

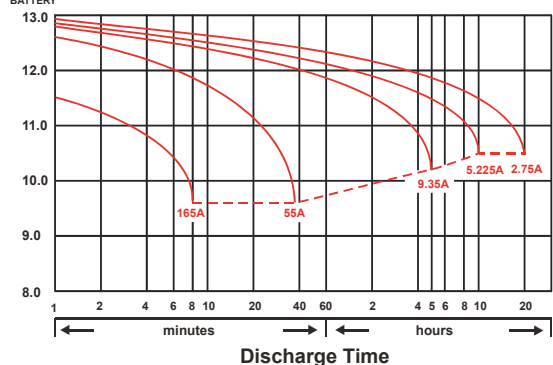
#### Overall Height (HT)

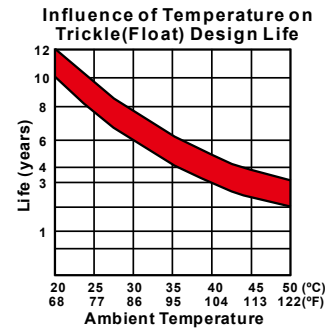
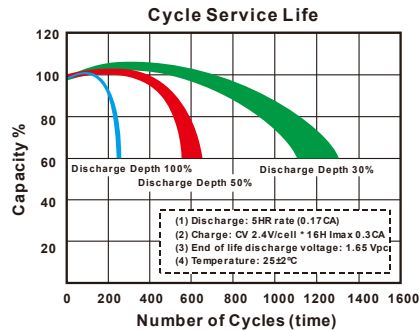
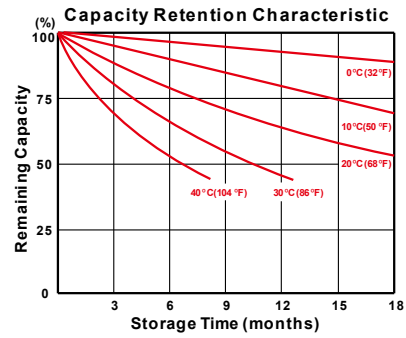
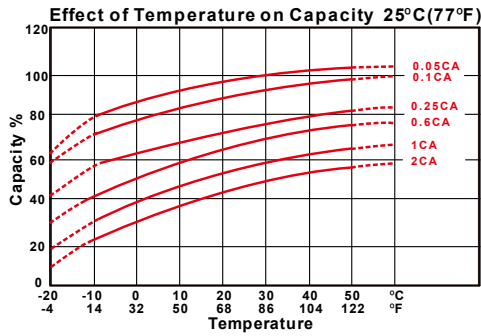
229±<sup>2</sup><sub>1</sub> (9.02±<sup>0.08</sup><sub>0.04</sub>)

mm(inch)



(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	min	175	190	200	205	208	210	212
15	min	105	112	118	123	126	128	130
30	min	61.8	64.3	66.2	67.6	68.2	68.7	68.9
60	min	31.6	33.6	35.2	36.4	36.8	37.0	37.1
120	min	25.5	27.0	28.3	29.1	29.4	29.6	29.7
180	min	20.8	21.8	22.6	23.1	23.4	23.6	23.7
240	min	18.1	19.0	19.8	20.2	20.4	20.5	20.6
300	min	12.0	12.6	13.0	13.3	13.5	13.6	13.7
480	min	10.5	11.0	11.3	11.5	11.6	11.7	11.8
600	min	5.40	5.66	5.81	5.91	5.98	6.02	6.07
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	86.7	94	100	104	107	110	112
15	min	50.0	56.5	62.4	65.9	67.9	68.2	68.4
30	min	27.8	30.8	33.1	33.9	34.1	34.3	34.4
60	min	16.0	17.2	18.1	18.7	19.0	19.2	19.4
120	min	12.1	13.1	13.8	14.0	14.1	14.2	14.3
180	min	10.2	10.7	11.0	11.3	11.5	11.7	11.8
240	min	8.82	9.12	9.40	9.62	9.75	9.81	9.8
300	min	5.77	6.07	6.34	6.38	6.40	6.41	6.42
480	min	4.95	5.25	5.50	5.54	5.55	5.56	5.57
600	min	2.50	2.65	2.78	2.80	2.80	2.81	2.81
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%)

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