

### Specifications

#### Nominal Voltage(V)

12V

#### Nominal Capacity

20 hour rate	(5A to 10.50V)	100Ah
10 hour rate	(9.5A to 10.50V)	95Ah
5 hour rate	(17A to 10.20V)	85Ah
1C	(100A to 9.60V)	53.3Ah
3C	(300A to 9.60V)	35.0Ah

#### Weight

Approx. 27.6kg(60.7Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 5.5 mΩ

#### Maximum Discharge Current for

5 seconds:1200A

#### Charging Methods at 25°C(77°F)

Maximum Charging Current :	30A
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 LONG LIFE

#### Terminal

F8



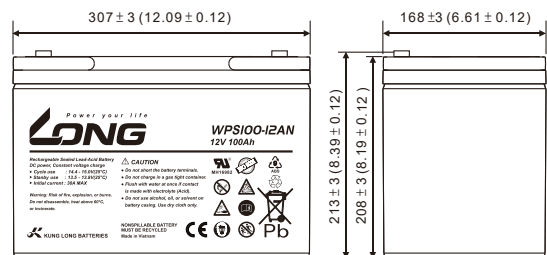
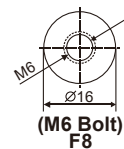
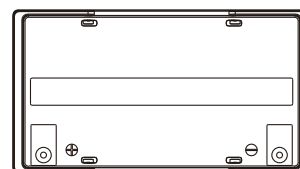
### Dimensions

Length (L)	307±3 (12.09±0.12)
Width (W)	168±3 (6.61±0.12)
Height (H)	208±3 (8.19±0.12)
Overall Height (HT)	213±3 (8.39±0.12)

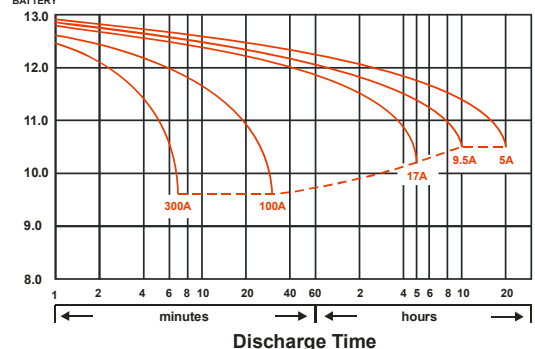
#### Description of torque value of hardware for the terminals:

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

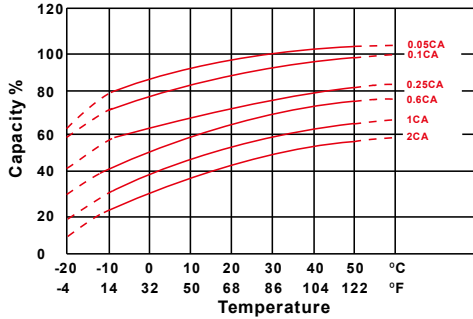
mm(inch)



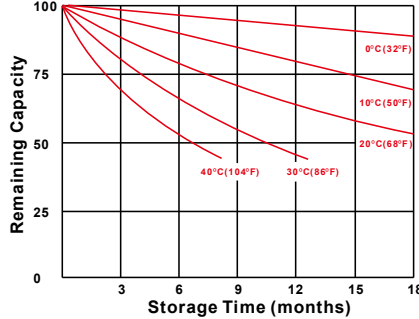
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



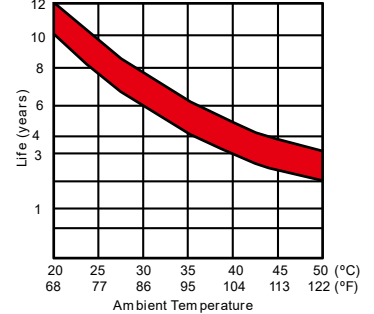
**Effect of Temperature on Capacity 25°C(77°F)**



**Capacity Retention Characteristic**



**Influence of Temperature on Trickle(Float) Design 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								
5	min	396	451	503	528	547	566	580
10	min	340	365	385	410	430	434	437
15	min	295	320	342	352	362	370	375
30	min	185	190	195	202	212	226	236
60	min	105	107	109	110	112	113	115
120	min	66.5	68.8	69.4	70.4	71.4	72.0	73.1
180	min	49.0	49.5	50.0	50.6	51.1	51.6	52.0
240	min	37.8	39.4	41.0	42.6	43.6	44.4	45.0
300	min	34.5	34.9	35.2	35.6	36.3	36.7	37.0
480	min	22.9	23.1	23.2	23.4	23.6	23.7	23.9
600	min	18.7	18.8	18.9	19.0	19.2	19.3	19.4
1200	min	9.50	9.90	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								
5	min	220	250	271	301	330	356	376
10	min	174	199	220	240	259	265	270
15	min	150	165	175	188	200	203	205
30	min	97.0	100	102	105	107	109	110
60	min	52.8	60.0	60.4	60.8	61.3	61.7	62.0
120	min	33.2	33.6	34.0	34.4	34.7	35.0	35.2
180	min	26.0	26.6	27.1	27.8	28.4	29.0	29.5
240	min	19.0	20.5	21.3	21.4	21.4	21.5	21.5
300	min	15.6	16.5	17.1	17.2	17.4	17.5	17.6
480	min	10.7	11.2	11.6	11.7	11.8	11.8	11.9
600	min	9.15	9.58	10.00	10.0	10.1	10.1	10.1
1200	min	4.93	4.96	5.00	5.05	5.10	5.14	5.20

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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