Valve Regulated Lead Acid Battery

WP24-12ANE

Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(1.2A	to	10.50V)	24Ah
10 hour rate	(2.28A	to	10.50V)	22.8Ah
5 hour rate	(4.08A	to	10.20V)	20.4Ah
1 C	(24A	to	9.60V)	13.6Ah
3 C	(72A	to	9.60V)	9.6Ah

Weight

Approx. 7.14kg(15.7Lbs.)

Internal Resistance (at 1KHz)

Approx. 8 mΩ

Maximum Discharge Current for

5 seconds: 360A

Charging Methods at 25℃(77℉)

Cycle use:

Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/℃/cell	
Maximum Charging Current：	7.2A

Standby use:

Float Charging Voltage	13.5 to 13.8V
Coefficient -3.0mV/℃/cell	

Operating Temperature Range

Charge	-15℃(5℉)	to	40℃(104℉)
Discharge	-15℃(5℉)	to	50℃(122℉)
Storage	-15℃(5℉)	to	40℃(104℉)

Charge Retention (shelf life) at 20℃(68℉)

1 month	92%
3 month	90%
6 month	80%

Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Design Life

6-9 Years.

Terminal

F6

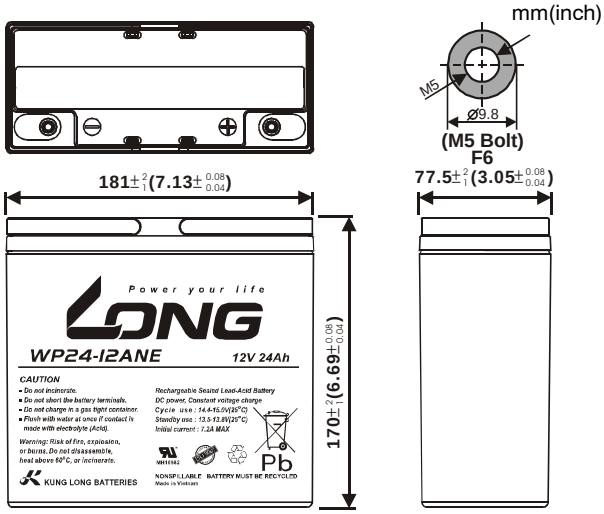
Dimensions

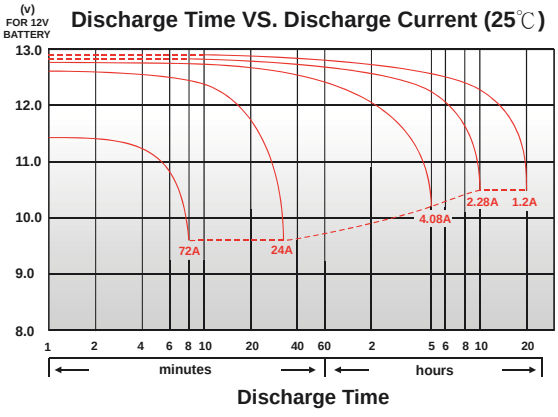
Length (L)	181+2-1 (7.13+0.08-0.04)
Width (W)	77.5+2-1 (3.05+0.08-0.04)
Height (H)	170+2-1 (6.69+0.08-0.04)
Overall Height (HT)	170+2-1 (6.69+0.08-0.04)

Recommended torque value M5: 5 N-m (51kgf-cm)

Maximum allowable torque value M5: 6 N-m (61kgf-cm)

mm(inch)





Power your life

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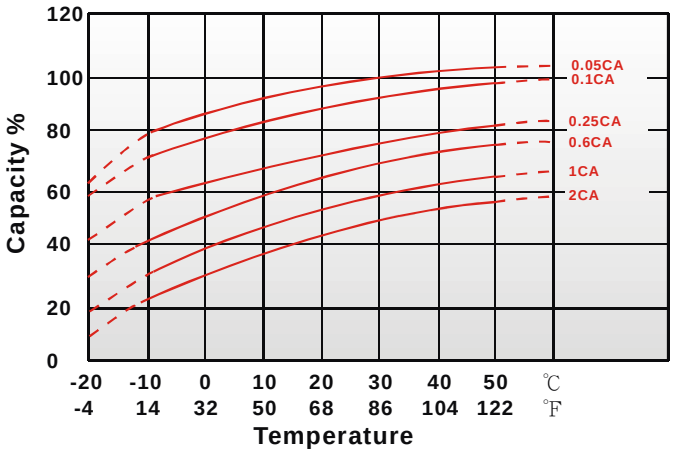
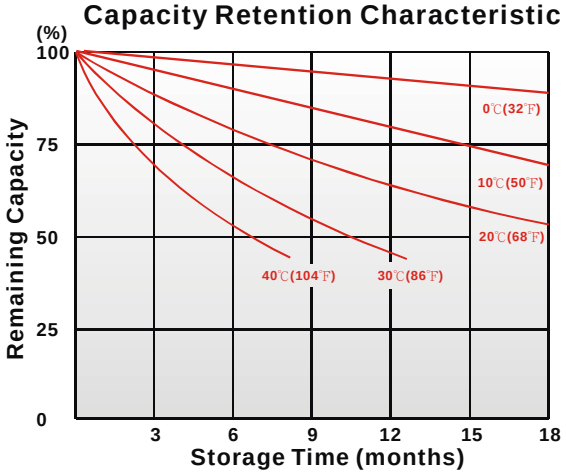
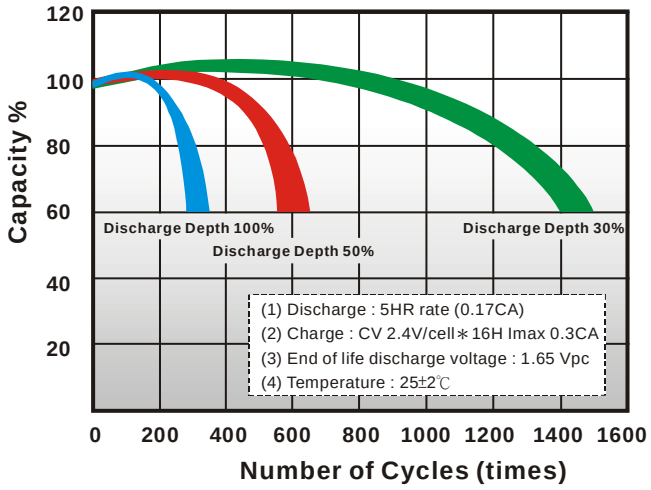
Effect of Temperature on Capacity 25℃(77℉)



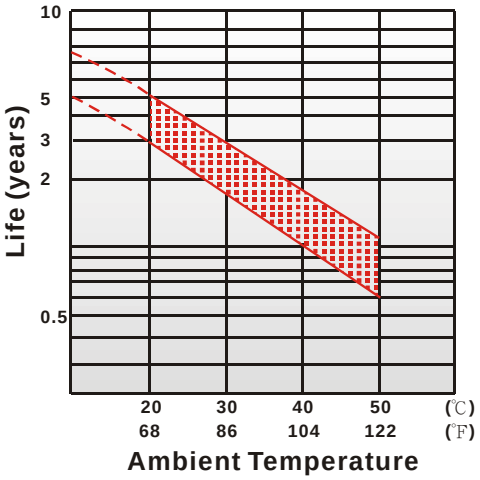
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



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