

MSK300

Specifications

Nominal Voltage(V)

2V

Nominal Capacity at 20°C (68°F)

10 hour rate	(30A	to	1.80V)	300Ah
5 hour rate	(51A	to	1.70V)	255Ah
1 hour rate	(180A	to	1.60V)	180Ah
1C	(300A	to	1.60V)	150Ah

Weight

Approx. 21.2kg(46.64Lbs.)

Internal Resistance (at 1KHz)

Approx. 0.5 mΩ

Maximum Discharge Current for

5 seconds: 1800A

Charging Methods at 20°C (68°F)

Cycle use:

Charging Voltage 2.33 to 2.36V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 90A

Standby use:

Float Charging Voltage 2.21 to 2.25V

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 V-0

Design Life

Expected Trickle Design Life: 12-15 years at 20°C according to Eurobat.

Terminal

F18



Dimensions

Length (L)

170±3 (6.69±0.12)

Width (W)

150±3 (5.91±0.12)

Height (H)

333±3 (13.11±0.12)

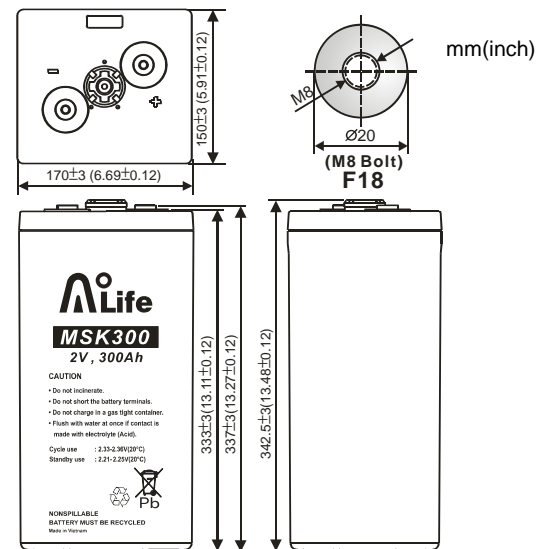
Overall Height (HT)

342.5±3 (13.48±0.12)

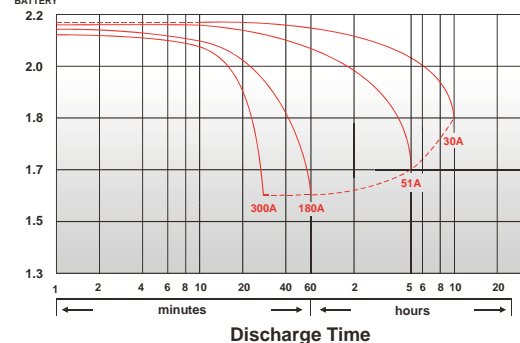
Description of torque value of hard ware for the terminals:

Recommended torque value M8:12 N-m (122kgf-cm)

Maximum allowable torque value M8:20 N-m (204kgf-cm)

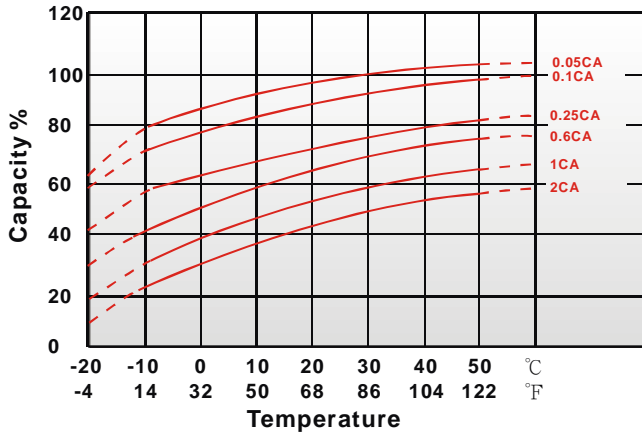


(V) FOR 2V BATTERY Discharge Time VS. Discharge Current (25°C)

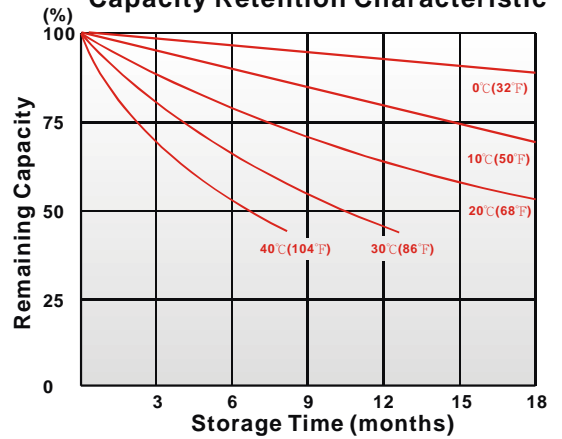


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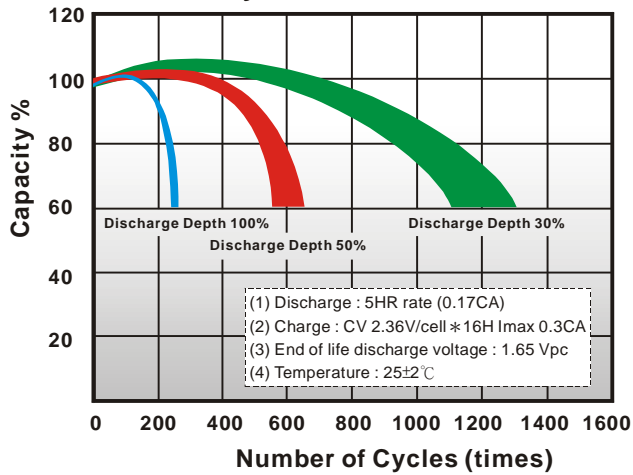
Effect of Temperature on Capacity 25°C(77°F)



Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life

