

⚡ Specifications

Nominal Voltage(V)

2V

Nominal Capacity at 20°C (68°F)

| | | |
|--------------|-----------------|-------|
| 10 hour rate | (40A to 1.80V) | 400Ah |
| 5 hour rate | (68A to 1.70V) | 340Ah |
| 1 hour rate | (240A to 1.60V) | 240Ah |
| 1C | (400A to 1.60V) | 200Ah |

Weight

Approx. 25.5kg(56.1Lbs.)

Internal Resistance (at 1KHz)

Approx. 0.45 mΩ

Maximum Discharge Current for

5 seconds: 2400A

Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 2.33 to 2.36V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 120A

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 HB

Option: Flammability resistance of (UL94 V-0)

Design Life

EUROBAT(20°C) : >12 YEARS VERY LONG LIFE

Terminal

F18



⚡ Dimensions

Length (L) 197±3 (7.76±0.12)

Width (W) 170±3 (6.69±0.12)

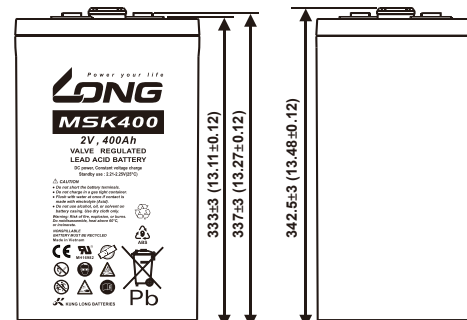
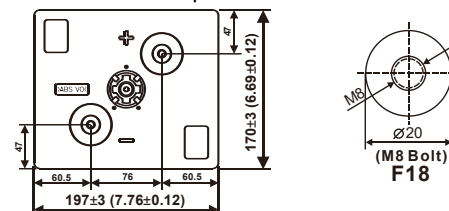
Height (H) 333±3 (13.11±0.12)

Overall Height (HT) 342.5±3 (13.48±0.12)

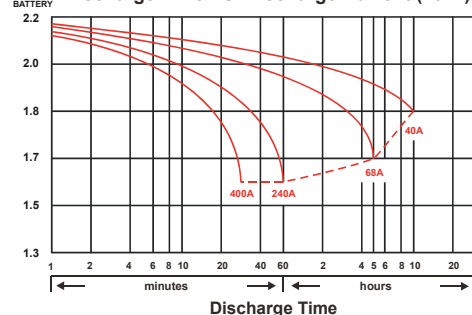
Description of torque value of hardware for the terminals:

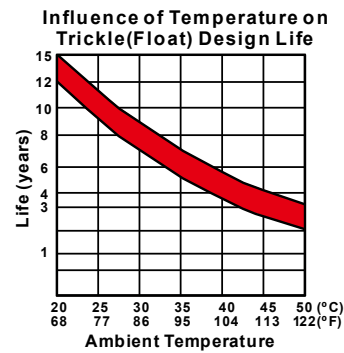
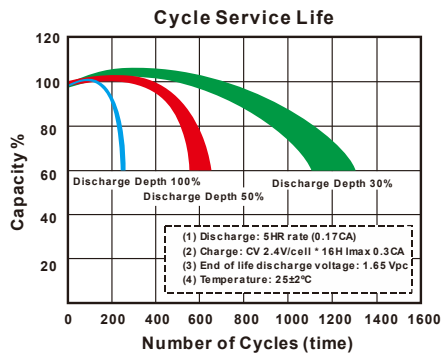
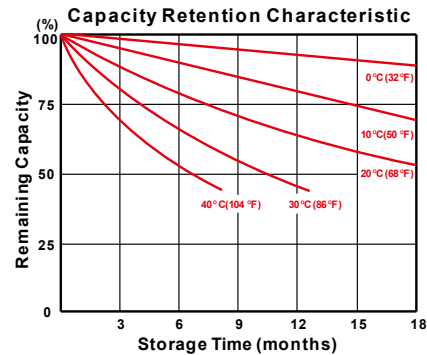
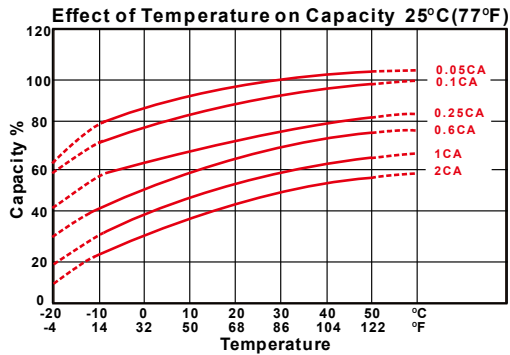
Recommended torque value M8:12 N-m (122kgf-cm)

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



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





- 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 | 1.65V | 1.60V |
|-------------|-----|-------|-------|-------|-------|-------|-------|
| 30 | min | 563 | 635 | 687 | 728 | 765 | 784 |
| 60 | min | 371 | 406 | 432 | 449 | 463 | 472 |
| 120 | min | 242 | 257 | 266 | 275 | 283 | 290 |
| 180 | min | 183 | 194 | 201 | 208 | 214 | 219 |
| 240 | min | 145 | 157 | 163 | 169 | 174 | 178 |
| 300 | min | 128 | 137 | 142 | 146 | 149 | 152 |
| 480 | min | 89.5 | 95.3 | 98.1 | 100 | 102 | 103 |
| 600 | min | 77.8 | 80.9 | 82.4 | 83.7 | 84.8 | 85.7 |
| 1200 | min | 41.4 | 43.1 | 44.2 | 45.1 | 45.7 | 46.1 |

- Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

| End Voltage | | 1.85V | 1.80V | 1.75V | 1.70V | 1.65V | 1.60V |
|-------------|-----|-------|-------|-------|-------|-------|-------|
| 30 | min | 289 | 331 | 363 | 391 | 412 | 426 |
| 60 | min | 186 | 205 | 219 | 231 | 243 | 252 |
| 120 | min | 119 | 128 | 136 | 143 | 150 | 155 |
| 180 | min | 91.5 | 98.1 | 103 | 107 | 111 | 114 |
| 240 | min | 71.8 | 75.9 | 80.7 | 84.1 | 86.8 | 88.5 |
| 300 | min | 61.6 | 65.1 | 68.4 | 71.5 | 73.7 | 75.3 |
| 480 | min | 44.2 | 46.5 | 48.1 | 49.6 | 51.0 | 51.9 |
| 600 | min | 38.3 | 40.0 | 41.5 | 42.6 | 43.4 | 43.9 |
| 1200 | min | 20.2 | 20.9 | 21.4 | 21.9 | 22.3 | 22.6 |

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%)

090226-1M