

⚡ Specifications

Nominal Voltage(V)

2V

Nominal Capacity at 20°C (68°F)

| | | |
|--------------|-----------------|-------|
| 10 hour rate | (50A to 1.80V) | 500Ah |
| 5 hour rate | (85A to 1.70V) | 425Ah |
| 1 hour rate | (300A to 1.60V) | 300Ah |
| 1C | (500A to 1.60V) | 250Ah |

Weight

Approx. 33.5kg(73.7Lbs.)

Internal Resistance (at 1KHz)

Approx. 0.5 mΩ

Maximum Discharge Current for

5 seconds: 3000A

Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 2.33 to 2.36V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 150A

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

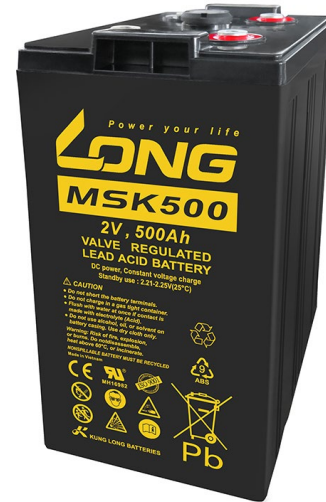
Option: Flammability resistance of (UL94 V-0)

Design Life

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

Terminal

F18



⚡ Dimensions

Length (L) 241±3 (9.49±0.12)

Width (W) 172±3 (6.77±0.12)

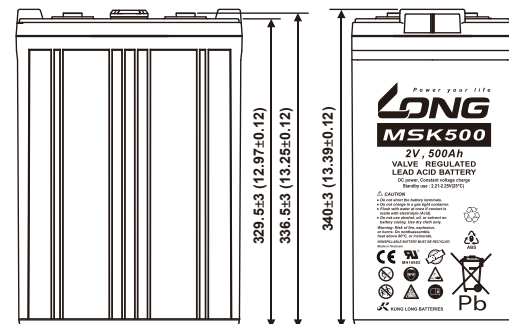
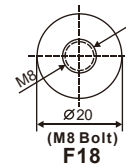
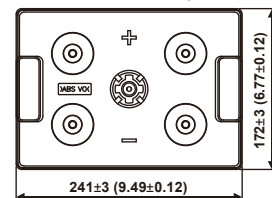
Height (H) 329.5±3 (12.97±0.12)

Overall Height (HT) 340±3 (13.39±0.12)

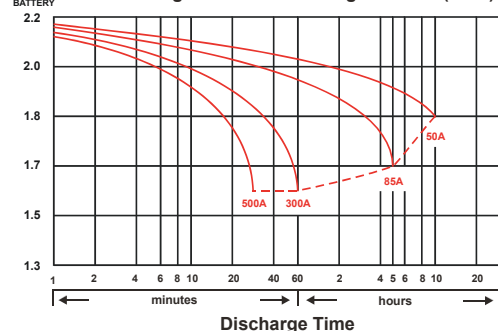
Description of torque value of hardware for the terminals:

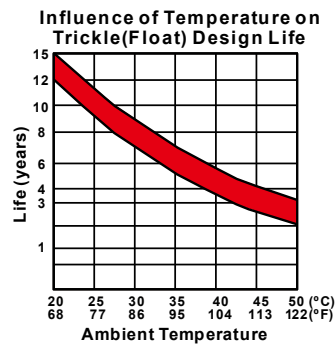
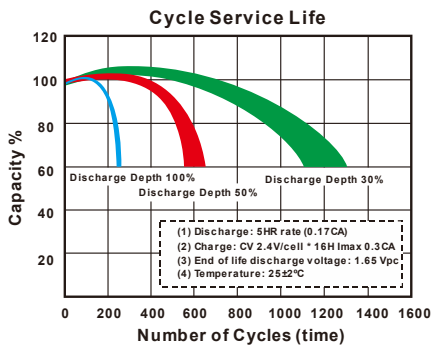
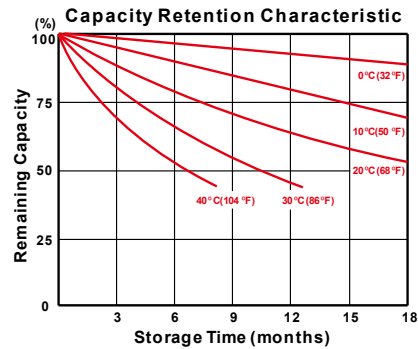
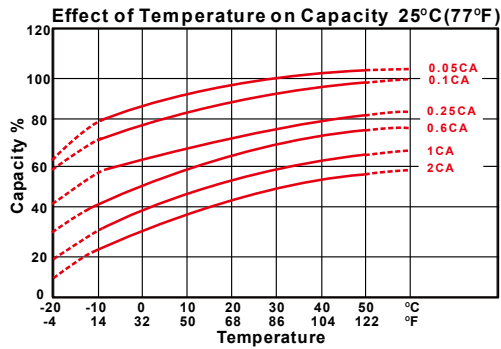
Recommended torque value M8:12 N-m (122kgf-cm)

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



(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 |
|-------------|-----|-------|-------|-------|-------|-------|-------|
| Time | | | | | | | |
| 20 | min | 895 | 980 | 1072 | 1135 | 1200 | 1266 |
| 30 | min | 757 | 830 | 910 | 958 | 1005 | 1045 |
| 60 | min | 518 | 553 | 599 | 612 | 629 | 640 |
| 120 | min | 324 | 341 | 358 | 360 | 365 | 369 |
| 180 | min | 244 | 255 | 267 | 275 | 285 | 292 |
| 240 | min | 179 | 188 | 198 | 207 | 212 | 216 |
| 300 | min | 157 | 166 | 173 | 178 | 182 | 185 |
| 480 | min | 113 | 118 | 123 | 125 | 127 | 129 |
| 600 | min | 94.7 | 97.0 | 99.0 | 102 | 103 | 104 |
| 1200 | min | 51.6 | 53.2 | 54.4 | 55.1 | 55.5 | 55.9 |

- 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 |
|-------------|-----|-------|-------|-------|-------|-------|-------|
| Time | | | | | | | |
| 20 | min | 517 | 575 | 628 | 670 | 693 | 715 |
| 30 | min | 419 | 471 | 524 | 571 | 613 | 644 |
| 60 | min | 277 | 305 | 330 | 347 | 364 | 377 |
| 120 | min | 170 | 193 | 210 | 218 | 226 | 233 |
| 180 | min | 125 | 134 | 142 | 148 | 154 | 160 |
| 240 | min | 106 | 113 | 118 | 121 | 124 | 127 |
| 300 | min | 82.1 | 87.8 | 93.5 | 95.9 | 96.9 | 97.5 |
| 480 | min | 58.3 | 60.3 | 62.1 | 62.7 | 63.3 | 63.7 |
| 600 | min | 48.3 | 50.0 | 50.4 | 50.6 | 50.8 | 51.0 |
| 1200 | min | 24.9 | 25.8 | 26.2 | 26.5 | 26.8 | 27.1 |

All data on the spec. sheet is an average value:

The tolerance range : $X < 6\text{min}$ (+15%~-15%), $6\text{min} \leq X < 60\text{min}$ (+12%~-12%), $10\text{min} \leq X < 60\text{min}$ (+8%~-8%), $X \geq 60\text{min}$ (+5%~-5%)

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