

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Capacity

| | | |
|--------------|--------------------|---------|
| 20 hour rate | (3.75A to 10.50V) | 75Ah |
| 10 hour rate | (7.5A to 10.80V) | 75Ah |
| 5 hour rate | (12.75A to 10.20V) | 63.75Ah |
| 1 hour rate | (45A to 9.60V) | 45Ah |
| 1C | (75A to 9.60V) | 47.5Ah |

Weight

Approx. 24.2kg(53.24lbs.)

Internal Resistance (at 1KHz)

Approx. 5 mΩ

Maximum Discharge Current for

5 seconds:900A

Charging Methods at 25°C(77°F)

| | |
|----------------------------|----------------|
| Cycle use: | |
| Charging Voltage | 14.4 to 15.0V |
| Coefficient | -5.0mV/°C/cell |
| Maximum Charging Current : | 22.5A |
| 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) : >12 YEARS VERY LONG LIFE

Terminal

F15



⚡ Dimensions

Length (L)

260 ±²₁ (10.24 ±^{0.08}_{0.04})

Width (W)

170 ±²₁ (6.69 ±^{0.08}_{0.04})

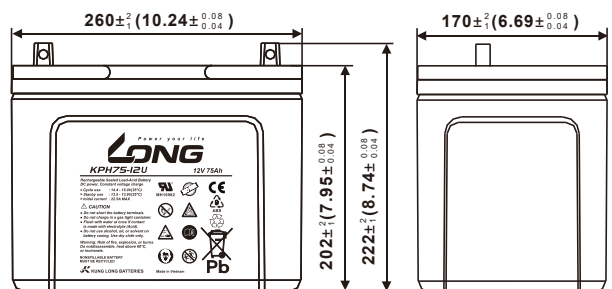
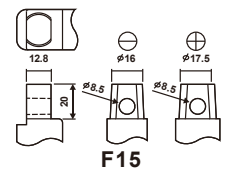
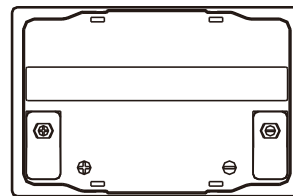
Height (H)

202 ±²₁ (7.95 ±^{0.08}_{0.04})

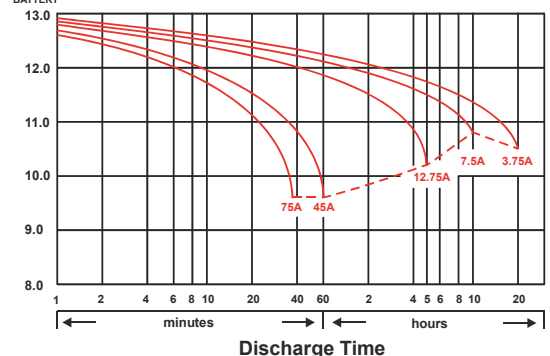
Overall Height (HT)

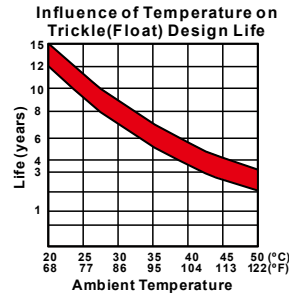
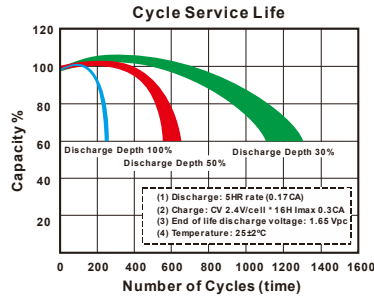
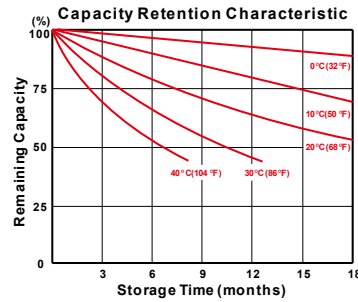
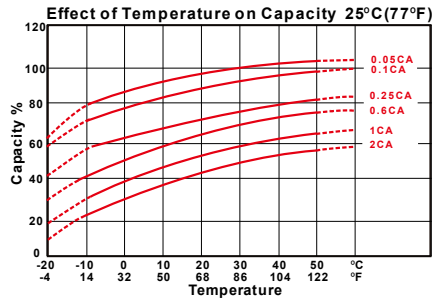
222 ±²₁ (8.74 ±^{0.08}_{0.04})

mm(inch)



(V) FOR 12V 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 | 1.67V | 1.65V | 1.60V |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| 15 | min | 292 | 311 | 326 | 333 | 340 | 345 | 350 |
| 20 | min | 232 | 250 | 261 | 265 | 268 | 270 | 270 |
| 30 | min | 177 | 187 | 197 | 201 | 203 | 204 | 205 |
| 40 | min | 140 | 145 | 150 | 152 | 153 | 153 | 154 |
| 45 | min | 129 | 134 | 136 | 138 | 139 | 139 | 140 |
| 60 | min | 97.1 | 97.9 | 98.4 | 98.7 | 98.9 | 99.0 | 99.0 |
| 90 | min | 68.8 | 70.0 | 70.9 | 71.7 | 72.2 | 72.5 | 72.8 |
| 120 | min | 54.6 | 56.5 | 57.4 | 57.7 | 58.0 | 58.2 | 58.4 |
| 180 | min | 37.7 | 38.3 | 38.8 | 39.1 | 39.3 | 39.4 | 39.5 |
| 240 | min | 29.5 | 30.0 | 30.5 | 30.7 | 30.9 | 31.0 | 31.1 |
| 300 | min | 24.1 | 24.4 | 24.6 | 24.8 | 24.9 | 25.0 | 25.0 |
| 480 | min | 16.4 | 16.7 | 16.9 | 17.0 | 17.1 | 17.1 | 17.2 |
| 600 | min | 13.7 | 14.2 | 14.7 | 14.9 | 15.1 | 15.2 | 15.2 |
| 1200 | min | 7.74 | 7.82 | 7.87 | 7.92 | 7.95 | 7.97 | 7.98 |

- 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 |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| 15 | min | 155 | 170 | 184 | 189 | 194 | 197 | 199 |
| 20 | min | 124 | 138 | 147 | 151 | 153 | 155 | 157 |
| 30 | min | 95.0 | 100 | 102 | 105 | 107 | 109 | 110 |
| 40 | min | 72.7 | 77.0 | 79.1 | 80.7 | 82.0 | 83.1 | 83.7 |
| 45 | min | 66.7 | 70.4 | 71.5 | 72.7 | 73.5 | 74.3 | 75.0 |
| 60 | min | 51.0 | 53.0 | 54.0 | 54.9 | 55.5 | 55.9 | 56.6 |
| 90 | min | 35.8 | 36.7 | 37.5 | 38.3 | 38.8 | 39.3 | 39.8 |
| 120 | min | 27.8 | 29.0 | 29.8 | 30.2 | 30.6 | 30.8 | 31.0 |
| 180 | min | 19.5 | 20.4 | 20.9 | 21.1 | 21.3 | 21.4 | 21.5 |
| 240 | min | 15.2 | 15.7 | 16.0 | 16.2 | 16.3 | 16.3 | 16.4 |
| 300 | min | 12.7 | 13.0 | 13.2 | 13.4 | 13.6 | 13.7 | 13.8 |
| 480 | min | 8.53 | 8.88 | 9.20 | 9.22 | 9.23 | 9.24 | 9.24 |
| 600 | min | 7.20 | 8.00 | 8.01 | 8.01 | 8.02 | 8.02 | 8.02 |
| 1200 | min | 3.75 | 4.00 | 4.02 | 4.03 | 4.03 | 4.04 | 4.04 |

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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