

⚡ Specifications

Nominal Voltage(V)

6V

Nominal Capacity

| | | |
|--------------|-------------------|--------|
| 20 hour rate | (0.25A to 5.25V) | 5Ah |
| 10 hour rate | (0.475A to 5.25V) | 4.75Ah |
| 5 hour rate | (0.85A to 5.1V) | 4.25Ah |
| 1 C | (5A to 4.8V) | 2.83Ah |
| 3 C | (15A to 4.8V) | 2Ah |

Weight

Approx. 830g(1.83Lbs.)

Internal Resistance (at 1KHz)

Approx. 19 mΩ

Maximum Discharge Current for

5 seconds: 75A

Charging Methods at 25°C(77°F)

| | |
|----------------------------|----------------|
| Cycle use: | |
| Charging Voltage | 7.20 to 7.50V |
| Coefficient | -5.0mV/°C/cell |
| Maximum Charging Current : | 1.5A |
| Standby use: | |
| Float Charging Voltage | 6.75 to 6.90V |
| 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 | 97% |
| 3 month | 92% |
| 6 month | 85% |

Case Material

ABS UL94 HB
Option: Flammability resistance of (UL94 V-0)

Design Life

3-5 Years.

Terminal

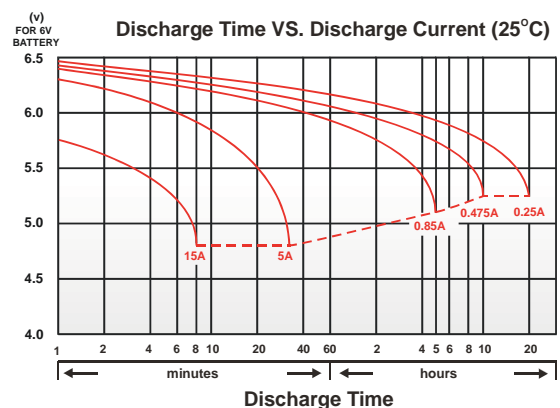
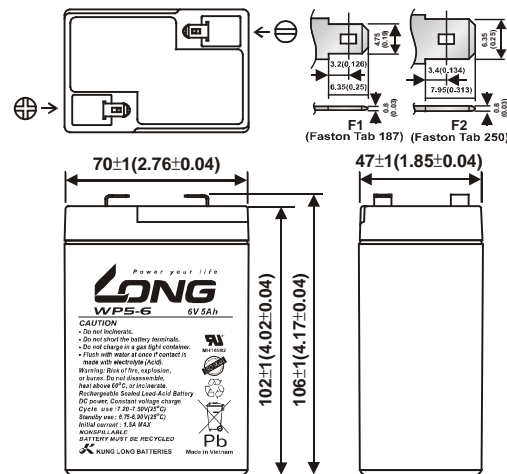
F1 or F2 (Faston Tab 187 or 250)



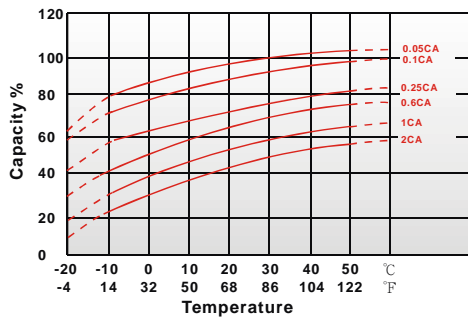
⚡ Dimensions

| | |
|---------------------|-------------------|
| Length (L) | 70±1 (2.76±0.04) |
| Width (W) | 47±1 (1.85±0.04) |
| Height (H) | 102±1 (4.02±0.04) |
| Overall Height (HT) | 106±1 (4.17±0.04) |

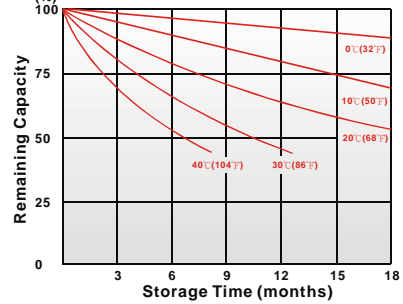
mm(inch)



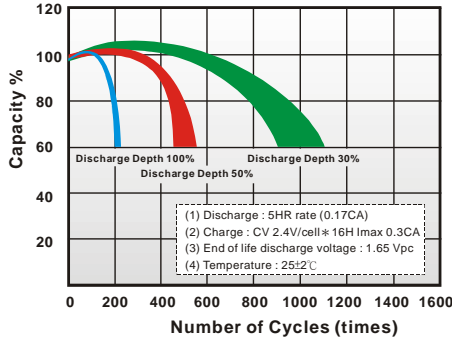
Effect of Temperature on Capacity 25°C (77°F)



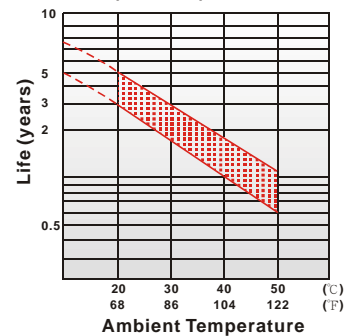
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



- 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 |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| Time | | | | | | | | |
| 5 | min | 24.5 | 27.6 | 29.9 | 31.9 | 33.2 | 34.2 | 35.0 |
| 10 | min | 17.5 | 19.8 | 21.1 | 22.1 | 22.7 | 23.2 | 23.7 |
| 15 | min | 14.5 | 16.1 | 16.7 | 17.0 | 17.2 | 17.4 | 17.5 |
| 30 | min | 8.43 | 9.42 | 9.81 | 9.99 | 10.1 | 10.2 | 10.3 |
| 60 | min | 4.33 | 4.91 | 5.28 | 5.59 | 5.71 | 5.82 | 5.90 |
| 120 | min | 2.55 | 2.85 | 2.99 | 3.09 | 3.16 | 3.22 | 3.28 |
| 180 | min | 2.03 | 2.24 | 2.34 | 2.42 | 2.47 | 2.52 | 2.55 |
| 240 | min | 1.65 | 1.78 | 1.85 | 1.91 | 1.95 | 1.98 | 2.01 |
| 300 | min | 1.50 | 1.61 | 1.65 | 1.69 | 1.72 | 1.75 | 1.77 |
| 600 | min | 0.881 | 0.940 | 0.968 | 0.99 | 1.00 | 1.01 | 1.02 |
| 1200 | min | 0.445 | 0.482 | 0.513 | 0.525 | 0.532 | 0.539 | 0.543 |

- 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 |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| Time | | | | | | | | |
| 5 | min | 15.8 | 18.1 | 19.5 | 20.1 | 20.4 | 20.6 | 20.8 |
| 10 | min | 10.8 | 12.1 | 12.3 | 12.5 | 12.6 | 12.7 | 12.8 |
| 15 | min | 7.79 | 8.47 | 8.97 | 9.19 | 9.26 | 9.34 | 9.42 |
| 30 | min | 4.52 | 5.09 | 5.26 | 5.41 | 5.47 | 5.52 | 5.57 |
| 60 | min | 2.43 | 2.69 | 2.81 | 2.93 | 2.97 | 3.00 | 3.03 |
| 120 | min | 1.36 | 1.48 | 1.55 | 1.57 | 1.60 | 1.62 | 1.64 |
| 180 | min | 1.12 | 1.18 | 1.22 | 1.24 | 1.25 | 1.26 | 1.27 |
| 240 | min | 0.860 | 0.918 | 0.943 | 0.970 | 0.978 | 0.985 | 0.992 |
| 300 | min | 0.799 | 0.836 | 0.850 | 0.862 | 0.868 | 0.873 | 0.878 |
| 600 | min | 0.448 | 0.466 | 0.478 | 0.487 | 0.492 | 0.496 | 0.501 |
| 1200 | min | 0.228 | 0.242 | 0.250 | 0.256 | 0.259 | 0.262 | 0.265 |

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

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

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