

### ⚡ Specifications

#### Nominal Voltage(V)

6V

#### Nominal Capacity

|              |                   |        |
|--------------|-------------------|--------|
| 20 hour rate | (0.45A to 5.25V)  | 9Ah    |
| 10 hour rate | (0.855A to 5.25V) | 8.55Ah |
| 5 hour rate  | (1.53A to 5.1V)   | 7.65Ah |
| 1 C          | (9A to 4.8V)      | 5.1Ah  |
| 3 C          | (27A to 4.8V)     | 3.6Ah  |

#### Weight

Approx. 1.7kg(3.74Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 10 mΩ

#### Maximum Discharge Current for

5 seconds: 135A

#### Charging Methods at 25°C(77°F)

|                            |                |
|----------------------------|----------------|
| Cycle use:                 |                |
| Charging Voltage           | 7.20 to 7.50V  |
| Coefficient                | -5.0mV/°C/cell |
| Maximum Charging Current : | 2.7A           |
| 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 | 92% |
| 3 month | 90% |
| 6 month | 80% |

#### 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)



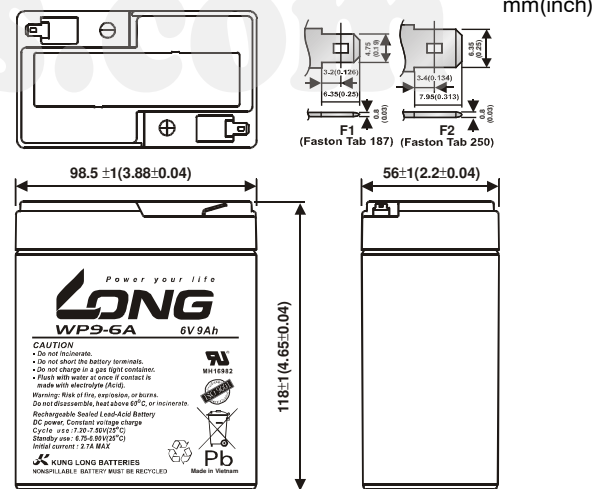
### ⚡ Dimensions

Length (L) 98.5±1 (3.88±0.04)

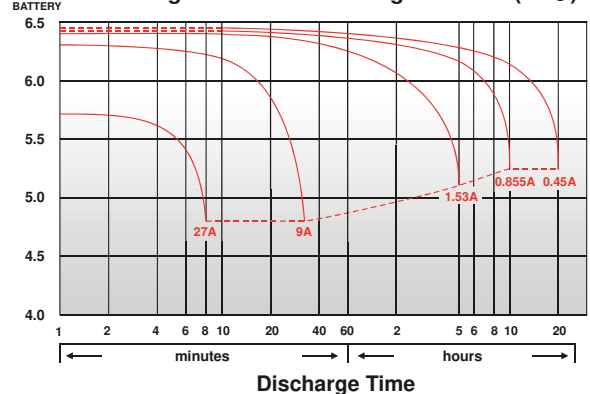
Width (W) 56±1 (2.20±0.04)

Height (H) 118±1 (4.65±0.04)

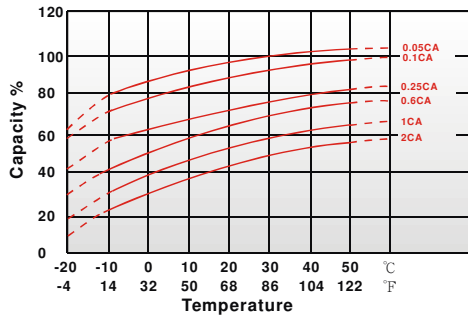
Overall Height (HT) 118±1 (4.65±0.04)



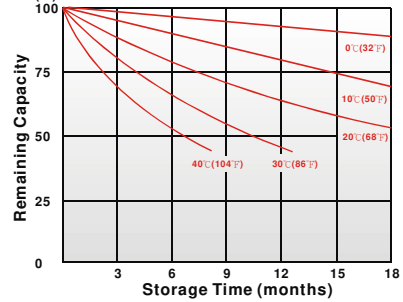
(V) FOR 6V BATTERY Discharge Time VS. Discharge Current (25°C)



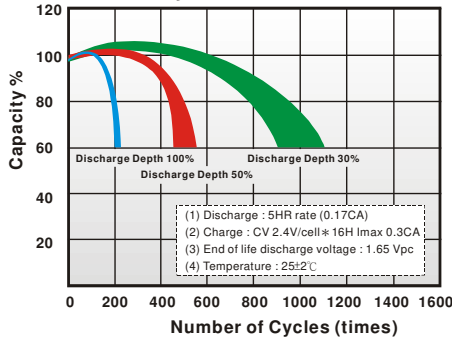
Effect of Temperature on Capacity 25°C(77°F)



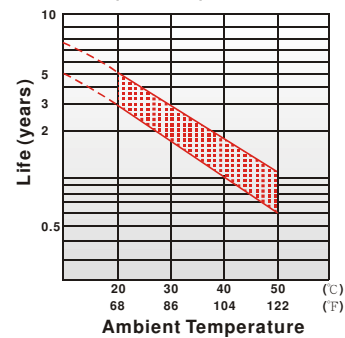
Capacity Retention Characteristic



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 | 48.0  | 54.3  | 59.3  | 63.7  | 65.3  | 67.2  | 70.7  |
| 10          | min | 34.0  | 38.1  | 41.0  | 43.3  | 44.2  | 45.7  | 47.3  |
| 15          | min | 28.8  | 29.9  | 30.9  | 32.1  | 32.7  | 33.7  | 34.6  |
| 30          | min | 14.4  | 15.2  | 16.0  | 16.7  | 16.8  | 17.0  | 18.1  |
| 60          | min | 9.57  | 10.1  | 10.4  | 10.7  | 10.9  | 11.0  | 11.2  |
| 120         | min | 6.73  | 7.13  | 7.32  | 7.46  | 7.50  | 7.53  | 7.58  |
| 180         | min | 4.30  | 4.57  | 4.72  | 4.85  | 4.90  | 4.98  | 5.08  |
| 240         | min | 3.43  | 3.57  | 3.67  | 3.77  | 3.82  | 3.88  | 3.95  |
| 300         | min | 3.01  | 3.10  | 3.17  | 3.22  | 3.23  | 3.27  | 3.30  |
| 600         | min | 1.69  | 1.76  | 1.80  | 1.83  | 1.85  | 1.87  | 1.89  |
| 1200        | min | 0.87  | 0.91  | 0.94  | 0.95  | 0.96  | 0.96  | 0.97  |

#### - 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 | 24.7  | 27.8  | 30.4  | 32.7  | 33.8  | 35.0  | 36.9  |
| 10          | min | 18.5  | 20.6  | 22.2  | 23.5  | 24.0  | 24.6  | 25.4  |
| 15          | min | 13.9  | 14.7  | 15.9  | 16.8  | 17.1  | 17.5  | 18.1  |
| 30          | min | 8.21  | 8.76  | 9.05  | 9.29  | 9.38  | 9.51  | 9.69  |
| 60          | min | 4.78  | 5.14  | 5.31  | 5.47  | 5.54  | 5.62  | 5.74  |
| 120         | min | 2.84  | 3.09  | 3.17  | 3.30  | 3.35  | 3.41  | 3.49  |
| 180         | min | 1.96  | 2.12  | 2.25  | 2.36  | 2.40  | 2.45  | 2.52  |
| 240         | min | 1.64  | 1.73  | 1.80  | 1.86  | 1.88  | 1.91  | 1.94  |
| 300         | min | 1.41  | 1.48  | 1.53  | 1.57  | 1.58  | 1.60  | 1.62  |
| 600         | min | 0.872 | 0.886 | 0.900 | 0.911 | 0.916 | 0.922 | 0.929 |
| 1200        | min | 0.435 | 0.450 | 0.459 | 0.464 | 0.467 | 0.470 | 0.474 |

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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