

## WP26-12N 12Volt 26Ah

### Specifications

Nominal Voltage(V) **12V**

#### Nominal Capacity

|              |        |    |         |                |
|--------------|--------|----|---------|----------------|
| 20 hour rate | (1.3A  | to | 10.50V) | <b>26Ah</b>    |
| 10 hour rate | (2.47A | to | 10.50V) | <b>24.7Ah</b>  |
| 5 hour rate  | (4.42A | to | 10.20V) | <b>22.1Ah</b>  |
| 1 C          | (26A   | to | 9.60V)  | <b>14.73Ah</b> |
| 3 C          | (78A   | to | 9.60V)  | <b>10.4Ah</b>  |

Weight **Approx. 9.3kg(20.46Lbs.)**

Internal Resistance (at 1KHz) **Approx. 11 mΩ**

#### Maximum Discharge Current for

5 seconds: **390A**

#### Charging Methods at 25 (77 )

##### Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient -5.0mv/ /cell

Maximum Charging Current : **7.8A**

##### Standby use:

Float Charging Voltage **13.50 to 13.80V**

Coefficient -3.0mv/ /cell

#### Operating Temperature Range

Charge **-15 (5 ) to 40 (104 )**

Discharge **-15 (5 ) to 50 (122 )**

Storage **-15 (5 ) to 40 (104 )**

#### Charge Retention (shelf life) at 20 (68 )

1 month **92%**

3 month **90%**

6 month **80%**

Case Material **ABS**

(Option: UL94 HB & UL94 V-0 flame retardant )

Terminal **F6**

#### Description of torque value of hard ware for the terminals:

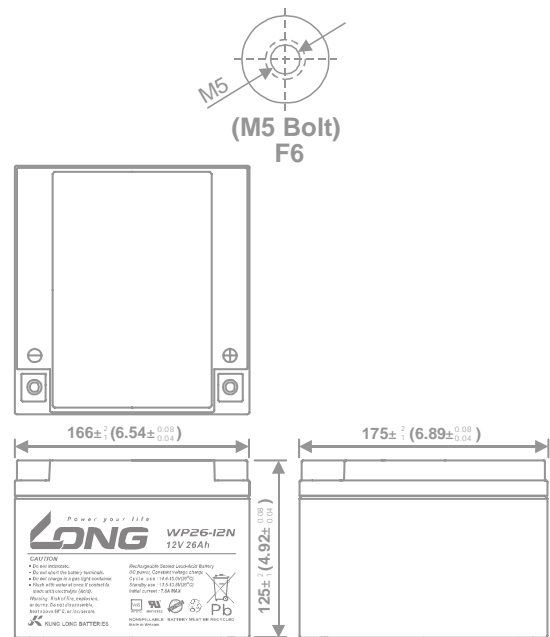
Recommended torque value **M5: 2.94 N-m (30kg-cm)**

Maximum allowable torque value **M5: 4.90 N-m (50kg-cm)**

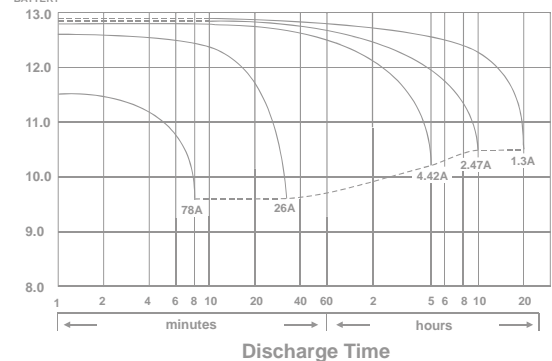


### Dimensions

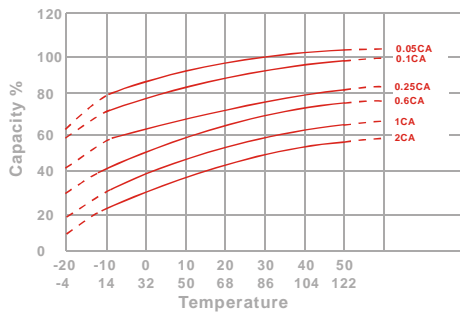
mm(inch)



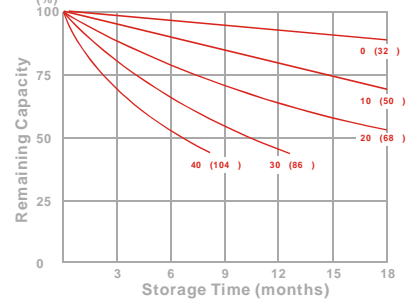
(v) Discharge Time VS. Discharge Current (25 )



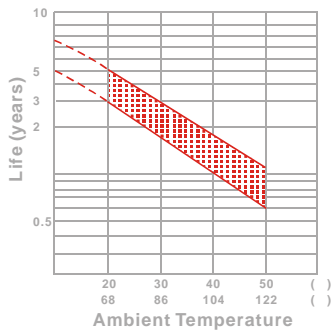
Effect of Temperature on Capacity 25 (77 )



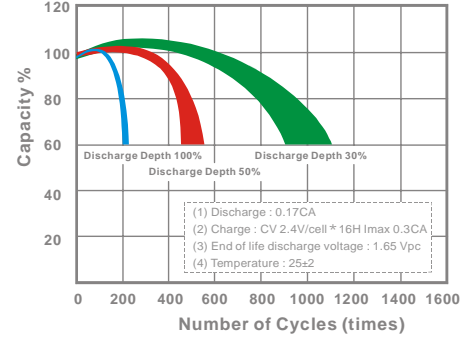
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



## - PERFORMANCE DATA

### Discharge Rates in Watts to Various End Voltages at 25 (77 )

| End Voltage |     | 1.85V | 1.80V | 1.75V | 1.70V | 1.67V | 1.65V | 1.60V |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| Time        |     |       |       |       |       |       |       |       |
| 5           | min | 884   | 968   | 1037  | 1109  | 1144  | 1175  | 1246  |
| 10          | min | 645   | 683   | 716   | 749   | 766   | 784   | 812   |
| 15          | min | 472   | 504   | 529   | 553   | 565   | 576   | 597   |
| 30          | min | 254   | 272   | 283   | 292   | 297   | 302   | 308   |
| 60          | min | 181   | 190   | 194   | 197   | 199   | 201   | 203   |
| 120         | min | 115   | 119   | 121   | 124   | 125   | 126   | 127   |
| 180         | min | 76.9  | 79.1  | 80.2  | 81.3  | 81.8  | 82.4  | 82.9  |
| 240         | min | 61.8  | 63.2  | 64.0  | 64.8  | 65.2  | 65.6  | 65.9  |
| 300         | min | 52.5  | 53.4  | 53.9  | 54.4  | 54.6  | 54.9  | 56.2  |
| 600         | min | 32.5  | 33.1  | 33.5  | 33.9  | 34.1  | 34.3  | 34.5  |
| 1200        | min | 15.7  | 16.1  | 16.4  | 16.7  | 16.8  | 16.9  | 17.0  |

### - Discharge Rates in Amperes to Various End Voltages at 25 (77 )

| End Voltage |     | 1.85V | 1.80V | 1.75V | 1.70V | 1.67V | 1.65V | 1.60V |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| Time        |     |       |       |       |       |       |       |       |
| 5           | min | 78.9  | 92.9  | 103   | 109   | 111   | 113   | 115   |
| 10          | min | 55.6  | 62.1  | 64.2  | 68.2  | 70.4  | 72.3  | 75.7  |
| 15          | min | 40.8  | 46.4  | 49.8  | 52.6  | 54.3  | 54.9  | 56.2  |
| 30          | min | 21.4  | 23.8  | 25.2  | 26.5  | 27.2  | 27.8  | 28.8  |
| 60          | min | 15.3  | 16.1  | 16.5  | 16.9  | 17.1  | 17.3  | 17.5  |
| 120         | min | 9.34  | 9.72  | 9.87  | 10.0  | 10.1  | 10.2  | 10.3  |
| 180         | min | 6.45  | 6.63  | 6.72  | 6.83  | 6.87  | 6.92  | 6.99  |
| 240         | min | 5.48  | 5.61  | 5.69  | 5.76  | 5.79  | 5.84  | 5.91  |
| 300         | min | 4.77  | 4.86  | 4.93  | 5.00  | 5.02  | 5.05  | 5.08  |
| 600         | min | 2.55  | 2.61  | 2.65  | 2.69  | 2.71  | 2.74  | 2.77  |
| 1200        | min | 1.29  | 1.34  | 1.36  | 1.38  | 1.39  | 1.40  | 1.43  |

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%)