

For standby power supplies

### ⚡ Specifications

#### Nominal Voltage(V)

12V

#### Nominal Capacity

20 hour rate	(1.3A	to	10.50V)	26Ah
10 hour rate	(2.47A	to	10.50V)	24.7Ah
5 hour rate	(4.42A	to	10.20V)	22.1Ah
1C	(26A	to	9.60V)	16.47Ah
3C	(78A	to	9.60V)	10.4Ah

#### Weight

Approx. 9.8kg(21.6Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 9 mΩ

#### Maximum Discharge Current for

5 seconds:390A

#### Charging Methods at 25°C(77°F)

Maximum Charging Current :	7.8A
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	92%
3 month	90%
6 month	80%

#### Case Material

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

#### Design Life & Standard

Expected Trickle Design Life: 6-9 years at 20°C according to Eurobat.

#### Terminal

F6



### ⚡ Dimensions

Length (L) 166±2-1 (6.54±0.08-0.04)

Width (W) 125.5±2-1 (4.94±0.08-0.04)

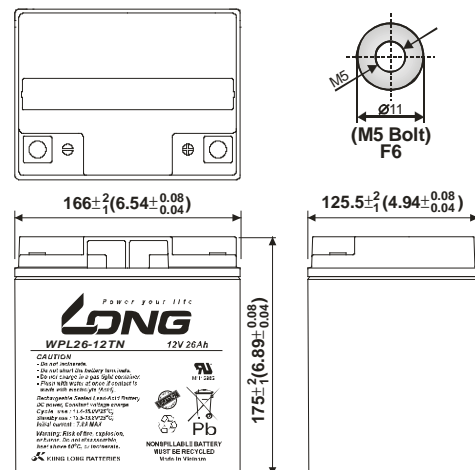
Height (H) 175±2-1 (6.89±0.08-0.04)

Overall Height (HT) 175±2-1 (6.89±0.08-0.04)

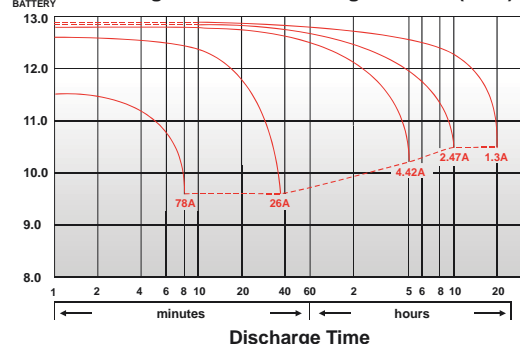
#### Description of torque value of hard ware for the terminals:

Recommended torque value	M5:5 N-m (51kgf-cm)
Maximum allowable torque value	M5:6 N-m (61kgf-cm)

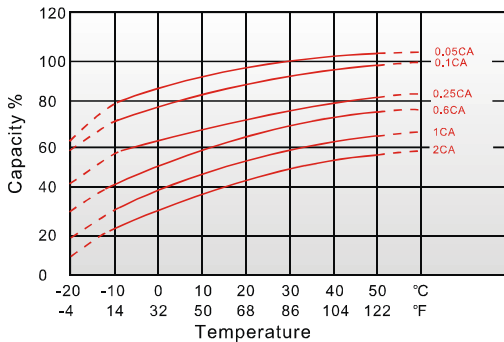
mm(inch)



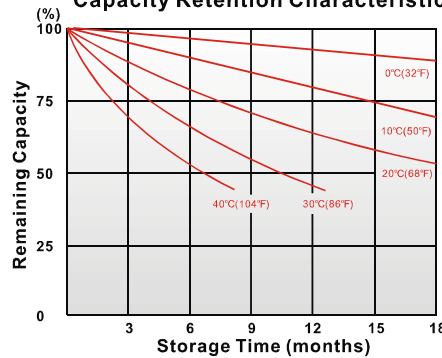
#### (V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



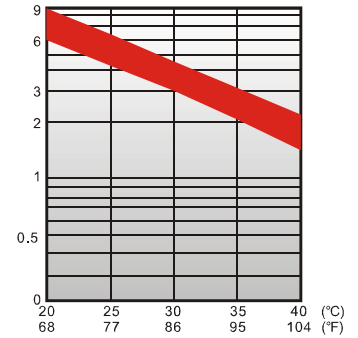
Effect of Temperature on Capacity 25°C(77°F)



Capacity Retention Characteristic



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
5	min	163	176	189	200	206	211	223
10	min	124	131	137	143	149	150	152
15	min	90.5	96.0	100	104	105	107	108
30	min	56.3	59.3	61.2	62.7	63.3	64.2	65.2
60	min	38.5	39.8	40.5	41.0	41.3	41.7	42.0
120	min	22.0	22.5	22.8	23.2	23.3	23.5	23.7
180	min	15.5	15.9	16.1	16.3	16.4	16.5	16.6
240	min	12.3	12.6	12.9	13.0	13.1	13.1	13.2
300	min	10.2	10.5	10.7	10.8	10.9	10.9	11.0
600	min	5.32	5.47	5.58	5.68	5.72	5.75	5.78
1200	min	2.70	2.82	2.92	2.98	3.00	3.03	3.08

#### - 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
5	min	101	116	127	134	137	139	142
10	min	61.3	68.5	72.2	75.4	77.2	79.4	81.8
15	min	44.1	49.8	52.2	55.1	55.8	56.5	57.8
30	min	32.9	34.1	34.8	35.4	35.6	35.8	35.1
60	min	19.9	20.4	20.8	21.1	21.2	21.4	21.6
120	min	10.7	11.1	11.3	11.5	11.6	11.7	11.8
180	min	7.69	7.84	7.95	8.06	8.11	8.16	8.23
240	min	6.05	6.17	6.26	6.35	6.39	6.44	6.50
300	min	5.07	5.16	5.24	5.31	5.34	5.38	5.42
600	min	2.58	2.64	2.70	2.76	2.78	2.81	2.84
1200	min	1.33	1.38	1.42	1.45	1.46	1.48	1.51

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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