

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(5A	to	10.50V)	100Ah
10 hour rate	(9.5A	to	10.50V)	95Ah
5 hour rate	(17A	to	10.20V)	85Ah
1 hour rate	(60A	to	9.60V)	60Ah
1 C	(100A	to	9.60V)	50Ah

Weight

Approx. 30.4kg(66.9 Lbs.)

Internal Resistance (at 1KHz)

Approx. 3.7 mΩ

Maximum Discharge Current for

5 seconds: 1100A

Short Circuit Current [A]

2567A

Charging Methods at 25°C(77°F)

Maximum Charging Current :	30A
Boost Charging Voltage	14.4 to 15.0V
Boost Charge Time	8-9Hr
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

F8



⚡ Dimensions

Length (L)

390±3 (15.35±0.12)

Width (W)

105±3 (4.13±0.12)

Height (H)

280±3 (11.02±0.12)

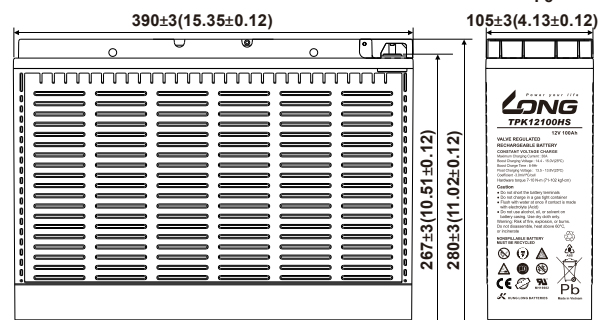
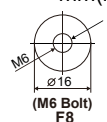
Overall Height (HT)

280±3 (11.02±0.12)

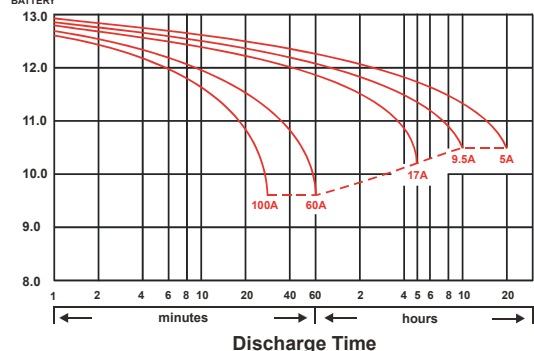
Description of torque value of hardware for the terminals:

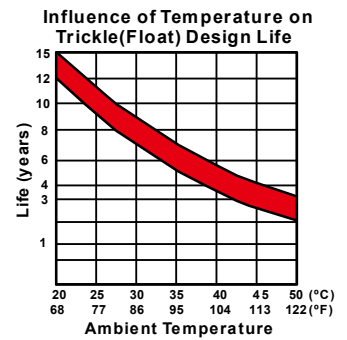
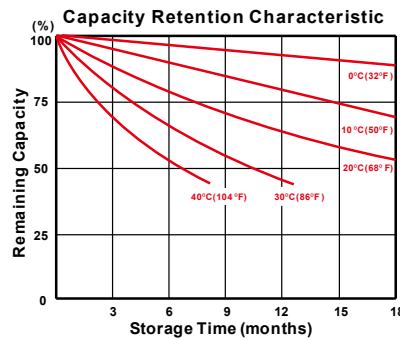
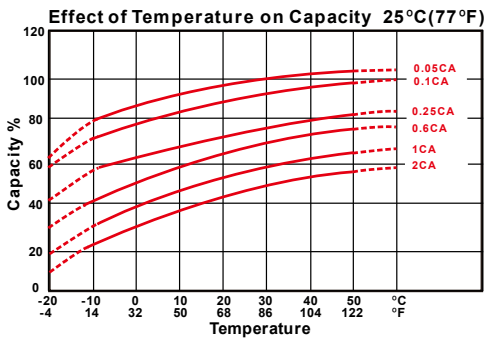
Recommended torque value	M6: 7 N-m (71 kgf-cm)
Maximum allowable torque value	M6: 10 N-m (102 kgf-cm)

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
10	min	331	369	393	411	423	433	440
15	min	265	294	314	329	338	346	352
30	min	190	203	212	216	220	223	225
60	min	116	120	123	126	128	130	132
90	min	77.5	81.7	84.5	86.2	86.7	87.2	87.4
120	min	58.6	66.6	71.9	73.8	75.2	76.0	76.7
180	min	47.1	49.2	51.1	52.6	53.9	55.0	56.0
240	min	36.4	38.8	41.0	41.8	42.2	42.5	42.8
300	min	27.1	30.0	31.8	32.7	33.5	34.2	34.7
480	min	21.5	22.8	23.5	24.0	24.5	25.0	25.4
600	min	17.7	18.7	19.5	20.0	20.4	20.6	20.7
1200	min	8.78	9.96	10.6	10.8	10.9	11.0	11.1

- 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
10	min	178	197	210	223	236	244	250
15	min	138	160	176	183	188	194	198
30	min	98.5	103	107	110	113	115	116
60	min	52.8	56.8	60.0	60.3	60.5	60.7	60.8
90	min	42.9	43.9	44.8	45.7	46.6	47.4	47.9
120	min	32.9	35.1	36.8	38.0	39.0	39.8	40.5
180	min	24.7	26.0	26.9	27.3	27.7	28.0	28.3
240	min	18.4	19.4	20.0	20.6	21.1	21.6	21.9
300	min	15.9	16.5	17.1	17.5	17.8	18.1	18.4
480	min	10.7	11.5	11.9	12.1	12.2	12.3	12.4
600	min	9.52	10.0	10.2	10.3	10.4	10.5	10.6
1200	min	4.78	5.01	5.12	5.18	5.23	5.28	5.32

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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