

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate: 345W/cell to 1.67V/cell

Nominal Capacity

20 hour rate	(5A to 10.50V)	100Ah
10 hour rate	(9.5A to 10.50V)	95Ah
8 hour rate	(11.7A to 10.50V)	93.6Ah
5 hour rate	(17A to 10.20V)	85Ah

Weight

Approx. 31.3kg(68.9Lbs.)

Internal Resistance (at 1KHz)

Approx. 4.3 mΩ

Maximum Discharge Current for

5 seconds: 1200A

Short Circuit Current (A) IEC 60896 -21-22

2124A

Charging Methods at 25°C(77°F)

Maximum Charging Current :	30A
Boost Charging Voltage	14.1 to 14.4V
Boost Charge Time	8-9Hr
Float Charging Voltage	13.5 to 13.65V
Coefficient	-3.0mV/°C/cell

Operating Temperature Range

Charge	-15°C(5°F) to 45°C(113°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%

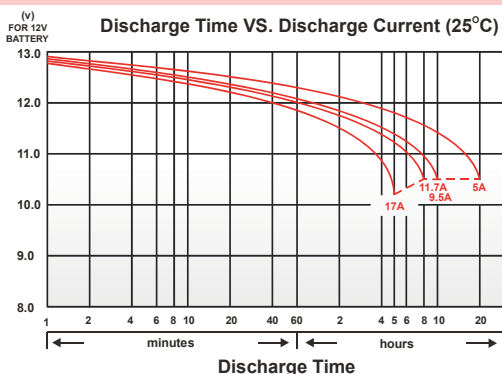
Case Material

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

Design Life

EUROBAT(20°C) : >12 YEARS VERY LONG LIFE

Discharge Time VS. Discharge Current (25°C)

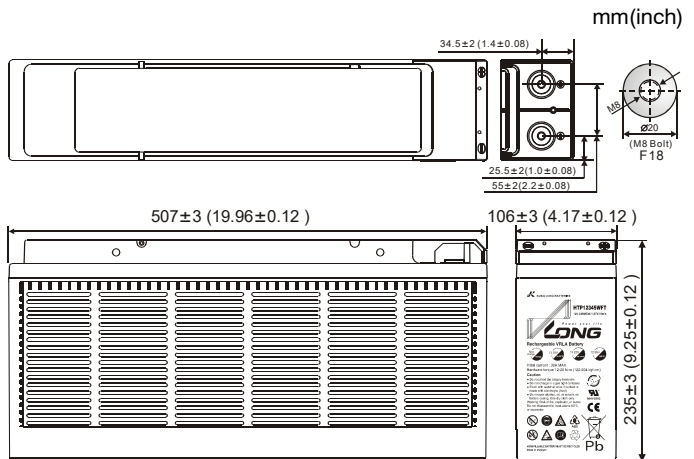


⚡ Dimensions

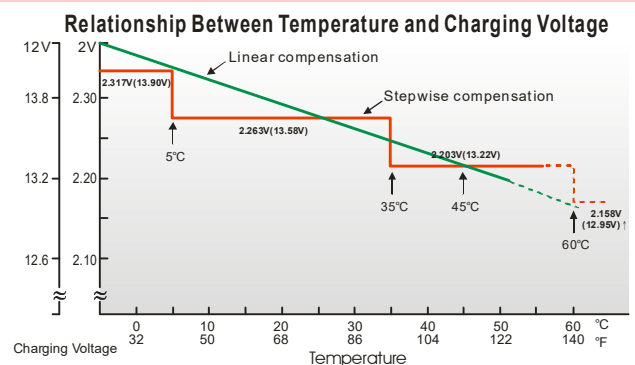
Length (L)	507±3 (19.96±0.12)
Width (W)	106±3 (4.17±0.12)
Height (H)	235±3 (9.25±0.12)
Overall Height (HT)	235±3 (9.25±0.12)
Terminal	F18

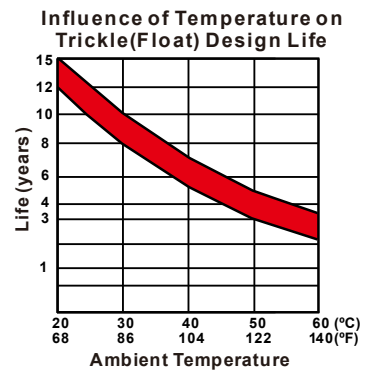
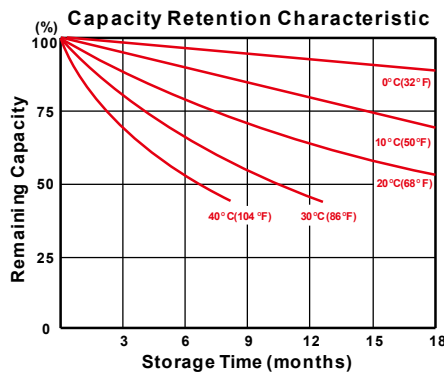
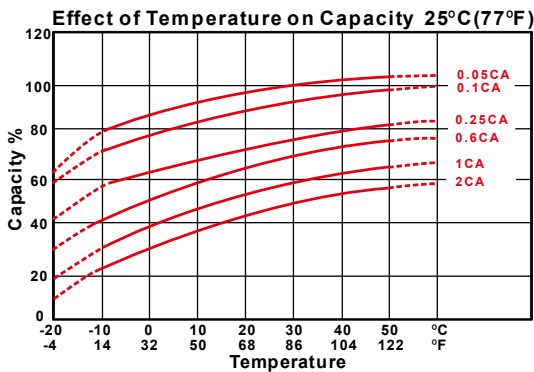
Description of torque value of hard ware for the terminals:

Recommended torque value	M8: 12 N-m (122 kgf-cm)
Maximum allowable torque value	M8: 20 N-m (204 kgf-cm)



Relationship Between Temperature and Charging Voltage





- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C(77°F)

Time		End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
15	min		268	293	329	334	344	354	357
30	min		171	191	203	215	225	232	242
60	min		114	116	119	121	124	127	129
120	min		59.8	69.9	73.4	75.3	76.7	77.5	78.3
180	min		46.3	48.3	49.8	51.7	52.7	53.7	55.0
240	min		36.0	38.3	40.5	41.3	41.7	42.0	42.3
300	min		26.7	29.5	31.3	31.8	32.7	33.5	34.2
480	min		21.2	21.7	23.0	23.3	24.0	24.5	25.0
600	min		17.5	18.5	19.3	19.8	20.2	20.3	20.5
1200	min		8.67	9.83	10.5	10.7	10.8	10.8	11.0

- Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

Time		End Voltage	1.85V	1.83V	1.80V	1.75V	1.70V	1.67V	1.60V
15	min		135	153	189	190	194	198	202
30	min		100	105	109	112	115	118	125
60	min		54.5	60.0	61.5	62.4	63.6	64.3	64.7
120	min		32.2	34.4	36.0	36.8	37.5	38.3	39.7
180	min		24.3	25.1	26.4	26.7	27.0	27.4	27.8
240	min		18.2	19.1	20.0	20.3	20.5	20.8	21.1
300	min		15.8	16.4	17.0	17.3	17.7	18.0	18.3
480	min		10.5	11.3	11.7	11.9	12.0	12.1	12.2
600	min		9.5	10.0	10.1	10.2	10.3	10.4	10.5
1200	min		4.70	5.00	5.10	5.20	5.20	5.30	5.40

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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