



Pure Lead Battery for High Temperature

FEATURES

- Excellent high temperature performance
- Special sealing compound to prevent any leaks
- High compression and puncture resistance separator
- Reinforced case resists high temperature condition
- Special alloy inhibits corrosion under the highest temperature extremes
- Electrolyte additive to prevent internal short circuit at high temperature
- Advanced manufacturing techniques to ensure quality products
- Broad operating temperature from -40°C to 65°C (-40°F ~ 149°F)
- Anti-muddy agent to provide the longest life 10 years at 35°C

APPLICATIONS

- Storage energy system
- Telecom
- Power station and UPS system
- IDC(Internet Data Center)
- Solar



SPECIFICATIONS

Nominal Voltage	12V
Nominal Capacity	10 Hour Rate (15.0A, 10.5V) 150 Ah @ 35°C 10 Hour Rate (13.8A, 10.5V) 138 Ah @ 25°C
Approx. Weight	53.5kg(117.97lbs.)
Terminals	I2 (M6 Female Thread)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	45 A
Operating Temperature Range	-40°C~65°C(-40°F~149°F)
Self Discharge	< 5% per month (35°C)
Internal Resistance	$\leq 4\text{m}\Omega$ (Fully Charged)

CONTAINER MATERIAL

- Standard: ABS (UL94 HB)
Model Name: FTX150-12

Certificate as below:

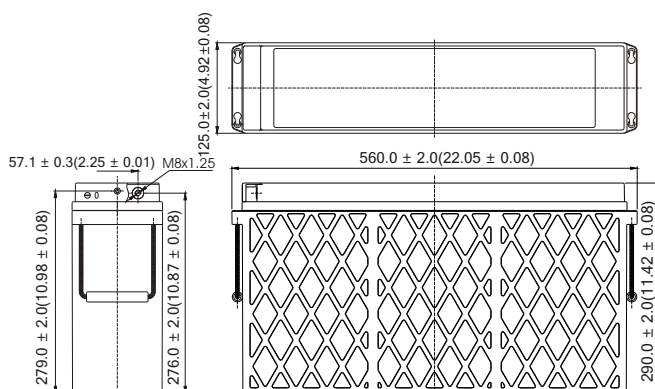


Compliance of the standards as below:

- IEC60896-21/22 ● GB/T 19638.1

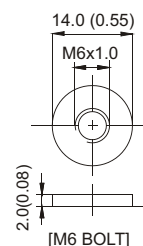
OUTER DIMENSIONS mm(inch)

Length (L)	Width (W)	Container Height (H)	Total Height (TH)
560±2.0(22.05±0.08)	125±2.0(4.92±0.08)	290±2.0(11.42±0.08)	290±2.0(11.42±0.08)



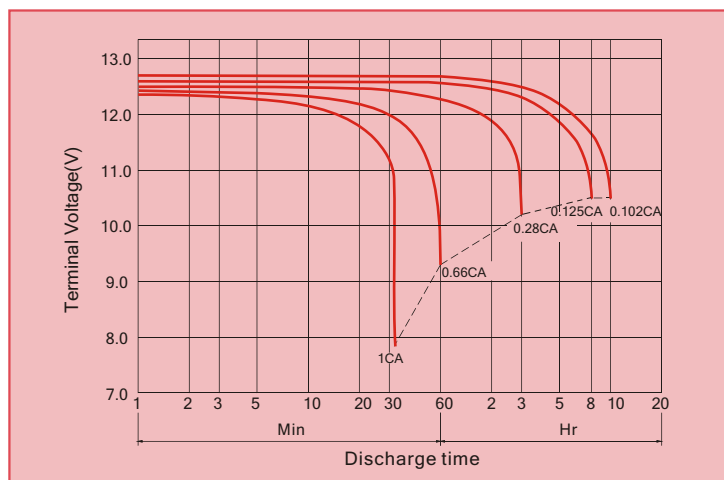
TERMINAL TYPE

Terminal I2

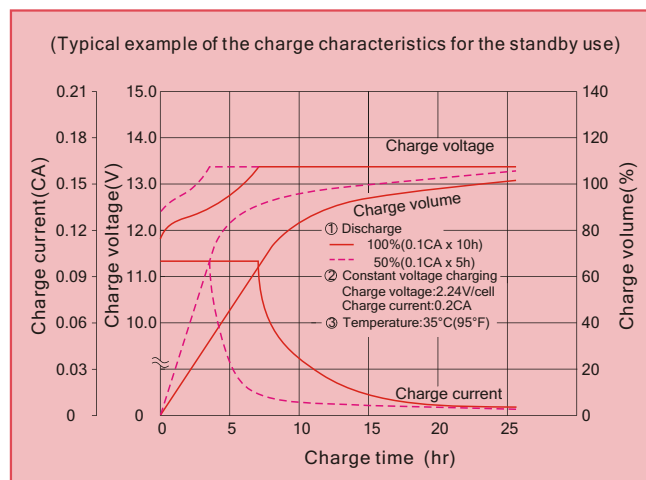


Terminal Hardware Initial Torque: 5.5 Nm $\pm$ 5%

FTX150-12 discharge characteristics (35°C/95°F)



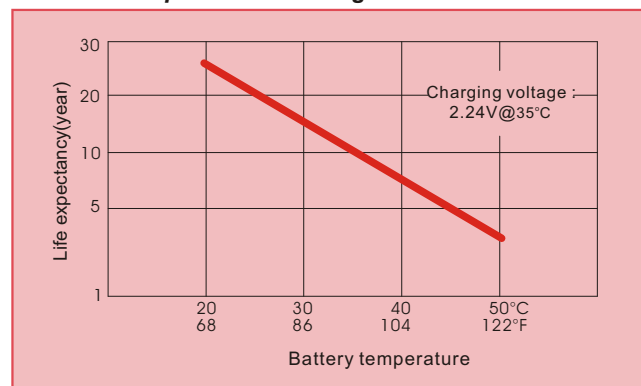
Battery Charging Characteristics



Charging Procedure

Application	Charging method	Charging Voltage at 35°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C/cell)	Max. charging current (CA)	Charging time 0.2CA, 35°C (h)	
					100% discharge	50% discharge
For standby power Source	Constant voltage & Constant current charging (with current restriction)	2.23~2.25	-3	0.3	24	20
For cycle service		2.35~2.40	-4	0.3	20	16

Effect Of Temperature On Long Term Float Life



Constant power discharge characteristics at 35 °C/95 °F Unit: W

F.V. (V/cell) \ Discharge Time	15 Min	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.90V	2420	1494	1178	961.4	576.5	410.0	318.5	285.4	190.7	158.3	83.1
1.85V	2661	1643	1287	1069.0	634.7	447.9	348.3	310.2	207.3	172.1	90.3
1.80V	2826	1745	1359	1129.3	660.1	464.5	360.4	321.4	214.8	178.1	93.6
1.75V	2934	1811	1405	1156.1	672.5	470.5	366.3	324.5	216.9	180.0	94.5
1.70V	2998	1850	1432	1175.4	678.9	475.1	369.2	324.6	217.0	180.1	94.6
1.65V	3042	1878	1452	1191.2	685.0	479.8	372.4	324.7	217.1	180.2	94.6
1.60V	3072	1896	1464	1198.4	687.7	481.1	373.0	324.8	217.1	180.2	94.6

Constant current discharge characteristics at 35 °C/95 °F Unit: A

F.V. (V/cell) \ Discharge Time	15 Min	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.90V	204.24	124.54	98.05	81.05	48.39	34.22	26.54	23.79	15.89	13.19	6.93
1.85V	226.75	138.26	107.92	90.14	53.30	37.39	29.03	25.85	17.28	14.34	7.53
1.80V	242.60	147.93	114.55	95.24	55.39	38.77	30.03	26.78	17.90	14.84	7.80
1.75V	251.61	153.42	118.50	97.50	56.46	39.28	30.53	27.04	18.07	15.00	7.87
1.70V	257.39	156.95	120.76	99.10	56.98	39.66	30.77	27.05	18.08	15.01	7.88
1.65V	261.04	159.17	122.45	100.44	57.52	40.05	31.03	27.06	18.09	15.02	7.88
1.60V	263.61	160.74	123.44	100.47	57.75	40.16	31.09	27.07	18.09	15.02	7.88

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained herein.
For operation, please refer to the instruction from technical manual.

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