



VRLA Rechargeable Battery

FTH100-12



Pure Lead Battery for High Temperature

- 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 85°C

APPLICATION

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



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100Ah @ 8 hour rate F.V.(1.75V/cell)
Approx. Weight	35.4Kg(78.04lbs.)
Terminals	I2 (M6 Female Thread)
Internal Resistance	≤ 4.2m Ω (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	30 A
Operating Temperature Range	-40°C~85°C(-40°F~185°F)
Container Material	Standard: ABS(UL94 HB) FTH100-12 Optional: Flame Retardant ABS(UL94 V-0) FTH100-12FR



- IEC60896-21/22
- BS 6290/4
- GB/T 19638.2
- Eurobat guide

DIMENSION(mm/inch)

Length

394±2.0(15.51±0.08)

Width

110±2.0(4.33±0.08)

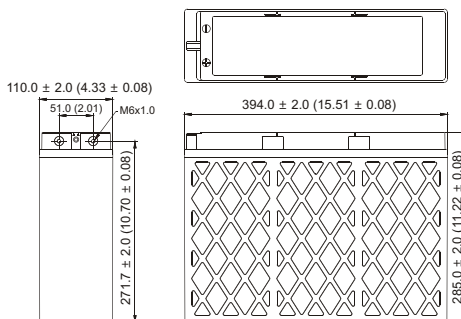
Container Height

285±2.0(11.22±0.08)

Total Height

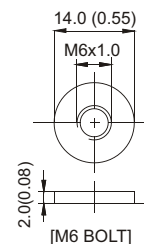
285±2.0(11.22±0.08)

OUTER DIMENSIONS



TERMINAL TYPE

Terminal I2



Terminal Hardware Initial Torque: 5.5 Nm ± 5%

Constant power discharge characteristics at 25 °C/77 °F Unit: W

Discharge Time F.V. (V/cell)	15 Min	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.90V	1629	1006	793	647	388.2	270.7	214.6	198.2	128.4	106.6	56.0
1.85V	1792	1106	866	720	427.4	295.8	234.6	215.6	139.7	116.0	60.9
1.80V	1903	1175	915	761	444.5	306.8	242.6	223.2	144.6	120.0	63.0
1.75V	1976	1220	946	779	452.8	310.8	246.7	225.3	146.0	121.2	63.6
1.70V	2019	1246	964	792	457.2	313.8	248.8	225.3	146.0	121.2	63.6
1.65V	2049	1265	978	802	461.3	316.9	250.7	225.3	146.0	121.2	63.6
1.60V	2069	1277	986	807	463.1	317.8	251.3	225.6	146.2	121.3	63.7

Constant current discharge characteristics at 25 °C/77 °F Unit: A

Discharge Time F.V. (V/cell)	15 Min	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.90V	137.5	83.9	66.0	54.6	32.58	22.66	17.87	16.52	10.70	8.88	4.66
1.85V	152.7	93.1	72.7	60.7	35.89	24.76	19.55	17.95	11.63	9.66	5.07
1.80V	163.4	99.6	77.1	64.1	37.30	25.68	20.22	18.60	12.05	10.00	5.25
1.75V	169.4	103.3	79.8	65.7	38.02	26.01	20.56	18.78	12.17	10.10	5.30
1.70V	173.3	105.7	81.3	66.7	38.37	26.26	20.72	18.78	12.17	10.10	5.30
1.65V	175.8	107.2	82.5	67.6	38.73	26.52	20.90	18.78	12.17	10.10	5.30
1.60V	177.5	108.2	83.1	67.7	38.89	26.60	20.93	18.80	12.18	10.11	5.31

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.

For operation, please refer to the instruction from technical manual.

A/5 REV. Apr. 2019

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