



VRLA Rechargeable Battery

FTH100-12

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 85°C
- Service Life — 10 Years.

According to Eurobat (20 °C) — General Purpose

APPLICATION

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



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100Ah @ 10 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)

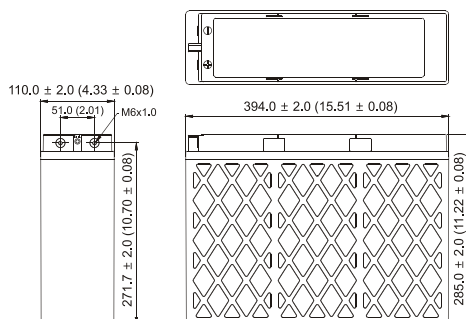
Container Height

285±2.0(11.22±0.08)

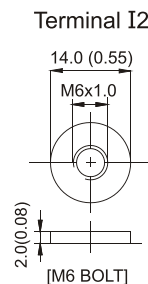
Total Height

285±2.0(11.22±0.08)

OUTER DIMENSIONS



TERMINAL TYPE



Terminal Hardware Initial Torque: 5.5 Nm ± 5%

Constant power discharge characteristics at 25 °C/77 °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		1497	988	775	618	377	270	211	188.4	128.5	106.6	56.0
1.85V		1646	1090	848	684	415	295	231	204.8	139.7	115.9	60.9
1.80V		1748	1163	898	722	431	306	239	212.1	144.7	120.0	63.0
1.75V		1815	1203	928	738	440	309	243	214.2	146.1	121.2	63.7
1.70V		1854	1229	944	749	444	312	245	214.3	146.2	121.3	63.7
1.65V		1882	1244	957	759	448	316	247	214.3	146.2	121.4	63.7
1.60V		1900	1255	964	759	450	316	248	214.4	146.2	121.4	63.7

Constant current discharge characteristics at 25 °C/77 °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		133	83	65	51.5	31.4	22.5	17.6	15.70	10.71	8.89	4.67
1.85V		148	92	71	57.3	34.6	24.6	19.3	17.06	11.64	9.66	5.07
1.80V		158	98	75	60.5	35.9	25.5	19.9	17.68	12.06	10.00	5.25
1.75V		164	102	78	62.0	36.6	25.8	20.3	17.85	12.17	10.10	5.30
1.70V		168	104	80	63.0	37.0	26.0	20.4	17.86	12.18	10.11	5.31
1.65V		170	106	81	63.9	37.3	26.3	20.6	17.86	12.19	10.12	5.31
1.60V		172	107	81	63.9	37.5	26.4	20.6	17.86	12.19	10.12	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.

B/O REV. Jul. 2021

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