

## VRLA Rechargeable Battery

# FTB100-12 (FTB100-12FR)



### FEATURES

- Absorbent Glass Mat technology for efficient gas recombination
- Front accessible terminal for ease of assembly
- Carry handles for ease of installation
- Strengthened rib design to maintain structural integrity
- Flame-arrestor is installed to ensure safety
- One-way self-resealing safety valve for long life guarantee

### APPLICATION

- Telecom
- UPS
- Broadband
- Electric Utility
- Railroad Signal
- Central Office



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100Ah @ 8 hour rate F.V.(1.75V/cell)
Approx. Weight	36.8Kg(81.13lbs.)
Terminals	I2 (M6 Female Thread)
Internal Resistance	≤ 3.5m Ω (Fully Charged )
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	25 A
Operating Temperature Range	Charge : 0°C~40°C(32°F~104°F) Discharge : -20°C~50°C(-4°F~122°F) Storage. : -20°C~40°C(-4°F~104°F)
Safety Valve	Opening pressure 10~35 kPa
Container Material	ABS(UL94-HB, UL94-V0 is optional)

ISO 9001	
ISO14001	
UL	
CE	
<ul style="list-style-type: none"> <li>● IEC60896</li> <li>● BS6290/4</li> <li>● GB/T 19638</li> <li>● Eurobat guide</li> </ul>	

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

#### Length

394±2.0 (15.51±0.08)

#### Width

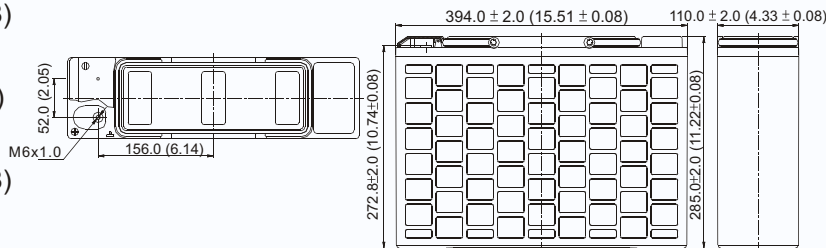
110±2.0 (4.33±0.08)

#### Container Height

272±2.0 (10.74±0.08)

#### Total Height

285±2.0 (11.22±0.08)



#### Terminal I2

Terminal Hardware Initial Torque:  
5.5Nm ±5%

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

Discharge Time F.V. (V/cell)	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.90V	1114	814	647.4	394.3	293.3	232.4	194.2	132.00	107.67	57.16
1.85V	1226	889	719.9	434.1	320.5	254.2	211.6	142.82	117.05	62.18
1.80V	1302	939	760.5	451.4	332.4	262.9	218.2	147.55	121.20	64.36
1.75V	1351	971	778.6	459.9	336.7	267.3	222.5	150.00	122.40	65.45
1.70V	1381	990	791.5	464.3	340.0	269.5	223.6	150.00	122.40	65.45
1.65V	1401	1003	802.2	468.5	343.3	271.6	224.7	150.00	122.40	65.45

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

Discharge Time F.V. (V/cell)	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.90V	92.9	67.8	55.09	33.27	24.55	19.36	16.18	11.00	8.97	4.76
1.85V	103.2	74.6	61.27	36.64	26.82	21.18	17.64	11.90	9.75	5.18
1.80V	110.4	79.2	64.73	38.09	27.82	21.91	18.18	12.30	10.10	5.36
1.75V	114.5	81.9	66.27	38.82	28.18	22.27	18.55	12.50	10.20	5.45
1.70V	117.1	83.5	67.36	39.18	28.45	22.45	18.64	12.50	10.20	5.45
1.65V	118.8	84.6	68.27	39.55	28.73	22.64	18.73	12.50	10.20	5.45

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