



VRLA Rechargeable Battery

FTB155-12 (FTB155-12FR)

(central gassing)



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
- Battery design allows for 48VDC configuration in a standard 23" rack
- 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 | 155Ah @ 8 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 55.4Kg(122.1lbs.) |
| Terminals | I3 (M8 Female Thread) |
| Internal Resistance | ≤ 2.8m Ω (Fully Charged) |
| Max. Discharge Current | 800 A (5 sec.) |
| Max. Charge Current | 38.8 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

● IEC60896
● BS6290/4
● GB/T 19638
● Eurobat guide

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

560±2.0 (22.05±0.08)

Width

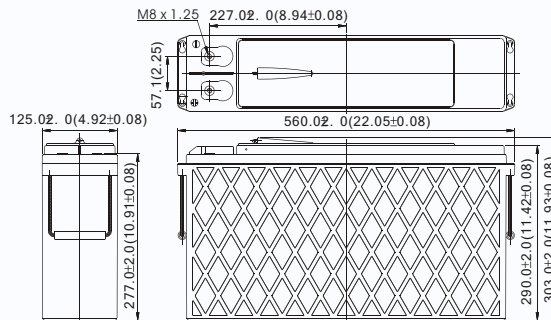
125±2.0 (4.92±0.08)

Container Height

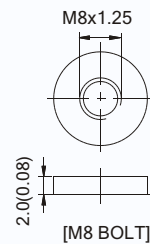
290±2.0 (11.42±0.08)

Total Height

303±2.0 (11.93±0.08)



Terminal I3



Terminal Hardware Initial Torque: 10.0Nm ±5%

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

| F.V. (V/cell) \ Discharge Time | 30 Min | 45 Min | 1 Hr | 2 Hr | 3 Hr | 4 Hr | 5 Hr | 8 Hr | 10 Hr | 20 Hr |
|--------------------------------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|
| 1.90V | 1767 | 1291 | 996.4 | 631.0 | 458.0 | 361.7 | 298.8 | 204.60 | 167.83 | 90.72 |
| 1.85V | 1944 | 1411 | 1109.2 | 695.0 | 500.4 | 394.3 | 325.0 | 225.30 | 182.40 | 98.64 |
| 1.80V | 2065 | 1490 | 1171.5 | 722.9 | 518.6 | 407.6 | 334.6 | 227.90 | 188.84 | 102.10 |
| 1.75V | 2143 | 1540 | 1200.0 | 737.1 | 525.9 | 414.9 | 341.8 | 231.60 | 190.78 | 103.80 |
| 1.70V | 2190 | 1570 | 1218.5 | 744.2 | 530.7 | 418.5 | 343.0 | 231.60 | 190.78 | 103.80 |
| 1.65V | 2222 | 1591 | 1235.0 | 750.1 | 535.6 | 422.2 | 344.2 | 231.60 | 190.78 | 103.80 |

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

| F.V. (V/cell) \ Discharge Time | 30 Min | 45 Min | 1 Hr | 2 Hr | 3 Hr | 4 Hr | 5 Hr | 8 Hr | 10 Hr | 20 Hr |
|--------------------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1.90V | 147.3 | 107.6 | 84.80 | 53.25 | 38.33 | 30.20 | 24.90 | 17.05 | 14.00 | 7.56 |
| 1.85V | 163.6 | 118.3 | 94.40 | 58.65 | 41.88 | 32.86 | 27.20 | 18.85 | 15.20 | 8.22 |
| 1.80V | 175.0 | 125.6 | 100.0 | 61.00 | 43.40 | 34.00 | 28.20 | 19.07 | 15.74 | 8.51 |
| 1.75V | 181.6 | 129.8 | 102.10 | 62.20 | 44.01 | 34.60 | 28.60 | 19.38 | 15.90 | 8.65 |
| 1.70V | 185.6 | 132.4 | 103.70 | 62.80 | 44.40 | 34.90 | 28.70 | 19.38 | 15.90 | 8.65 |
| 1.65V | 188.3 | 134.2 | 105.10 | 63.30 | 44.80 | 35.20 | 28.80 | 19.38 | 15.90 | 8.65 |

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