



VRLA Rechargeable Battery

FTH150-12

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 | 150Ah @ 10 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 53.5kg(117.97lbs.) |
| Terminals | I2 (M6 Female Thread) |
| Internal Resistance | ≤4mΩ(Fully Charged) |
| Max. Discharge Current | 800 A (5 sec.) |
| Max. Charge Current | 45 A |
| Operating Temperature Range | -40°C~65°C(-40°F~149°F) |
| Container Material | Standard: ABS(UL94 HB) FTH150-12 Optional: Flame Retardant ABS(UL94 V-0)FTH150-12FR |



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

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

560±2.0(22.05±0.08)

Width

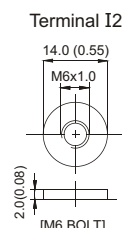
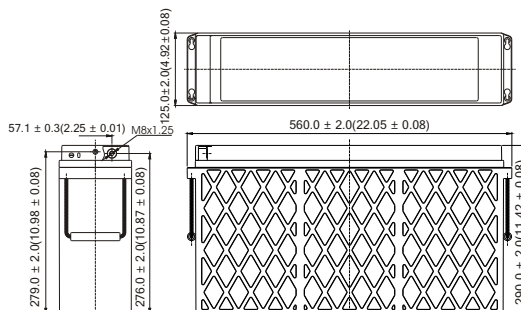
125±2.0(4.92±0.08)

Container Height

290±2.0(11.42±0.08)

Total Height

290±2.0(11.42±0.08)



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 herinto.

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

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