



VRLA Rechargeable Battery

BC18-12



FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- Absorbent Glass Mat technology for efficient gas recombination

APPLICATION

- UPS
- Fishing Lights
- Emergency Lights
- Video Camcorders(VCR)



SPECIFICATIONS

| | |
|-----------------------------|---|
| Nominal Voltage | 12V |
| Nominal Capacity | 18.00 Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 5620g(12.39lbs.) |
| Terminals | B1 (Fitting M5 bolt & nut) , T2 and I1 are optional |
| Internal Resistance | ≤ 16mΩ(Fully Charged) |
| Max. Discharge Current | 270 A (5 sec.) |
| Max. Charge Current | 5.4 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) |
| Container Material | Standard: ABS(UL 94-HB) BC18-12 Optional: Flame Retardant ABS(UL 94-V0) BC18-12FR |



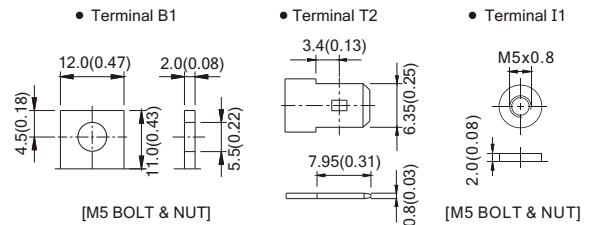
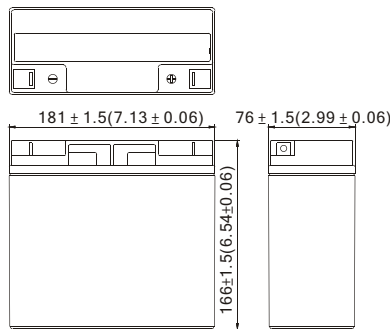
- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
181±1.5 (7.13±0.06)
- **Width**
76±1.5 (2.99±0.06)
- **Container Height**
166±1.5 (6.54±0.06)
- **Total Height**
166±1.5 (6.54±0.06)



Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)

Constant power discharge characteristics at 25 °C/77 °F

Unit: W

| Discharge Time F.V. (V/cell) | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|------------------------------------|-------|--------|--------|--------|-------|------|------|-------|-------|
| 1.80V | 651 | 479 | 384 | 229 | 131.0 | 52.5 | 36.2 | 20.21 | 10.64 |
| 1.75V | 753 | 519 | 401 | 237 | 134.9 | 53.5 | 36.7 | 20.52 | 10.80 |
| 1.70V | 800 | 538 | 414 | 242 | 137.3 | 54.0 | 37.0 | 20.63 | 10.85 |
| 1.65V | 836 | 551 | 424 | 246 | 139.0 | 54.4 | 37.1 | 20.69 | 10.88 |
| 1.60V | 864 | 561 | 432 | 249 | 140.4 | 54.7 | 37.2 | 20.69 | 10.88 |

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

| Discharge Time F.V. (V/cell) | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|------------------------------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| 1.80V | 58.63 | 42.17 | 33.38 | 19.36 | 11.01 | 4.372 | 3.014 | 1.685 | 0.886 |
| 1.75V | 69.11 | 45.69 | 34.92 | 20.10 | 11.34 | 4.460 | 3.060 | 1.710 | 0.900 |
| 1.70V | 73.43 | 47.33 | 36.00 | 20.55 | 11.54 | 4.500 | 3.077 | 1.718 | 0.904 |
| 1.65V | 76.72 | 48.46 | 36.83 | 20.84 | 11.68 | 4.532 | 3.088 | 1.724 | 0.907 |
| 1.60V | 79.26 | 49.44 | 37.57 | 21.05 | 11.80 | 4.558 | 3.097 | 1.724 | 0.907 |

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/0 REV. Mar. 2014

Powered by B.B. Battery Co., Ltd.