



VRLA Rechargeable Battery

BPL85-12



FEATURES

- Maintenance free(no water topping-up required).
- No free acid(Non-spillable battery).
- Low self-discharge rate, lower than 3% capacity loss per month.
- Can be used in any orientation(excluding used inverted).
- Filtered with explosion proof filter.
- Flame-arrestor is installed to ensure safety.
- Carry handles for easy installation.
- Absorbent Glass Mat technology for efficient gas recombination.

APPLICATION

- UPS
- Telecom
- Golf-carts



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 85.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 31.2Kg(68.8lbs.) |
| Terminals | B3 (Fitting M6 bolt & nut) I2 is optional |
| Internal Resistance | ≤5.0mΩ (Fully Charged) |
| Max. Discharge Current | 800 A (5 sec.) |
| Max. Charge Current | 25.5 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) BPL85-12 Optional: Flame Retardant ABS(UL 94-V0) BPL85-12FR |



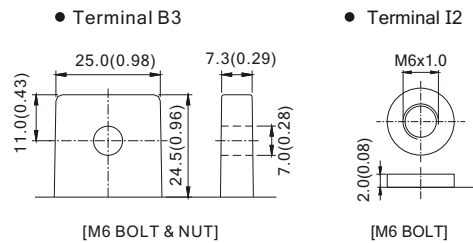
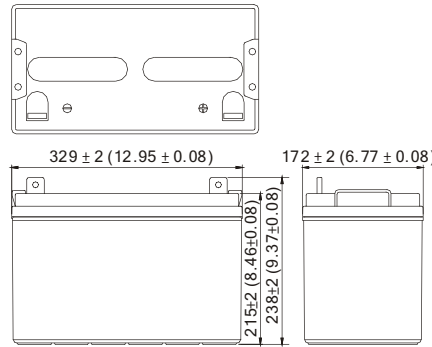
- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.2

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
329±2.0 (12.95±0.08)
- **Width**
172±2.0 (6.77±0.08)
- **Container Height**
215±2.0 (8.46±0.08)
- **Total Height**
B3:238±2.0 (9.37±0.08)
I2:218.5±2.0 (8.60±0.08)



Terminal Hardware Initial Torque: B3/I2 (5.5Nm±5%)

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

Unit: W

| Discharge Time F.V. (V/cell) | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|------------------------------------|--------|--------|-------|-------|-------|-------|-------|
| 1.80V | 1586 | 1074 | 585.8 | 246.6 | 170.9 | 95.24 | 49.84 |
| 1.75V | 1683 | 1115 | 604.0 | 251.8 | 173.5 | 96.67 | 51.00 |
| 1.70V | 1761 | 1139 | 614.5 | 254.4 | 174.2 | 97.19 | 51.14 |
| 1.65V | 1802 | 1156 | 622.3 | 255.7 | 174.8 | 97.45 | 51.27 |
| 1.60V | 1839 | 1167 | 628.8 | 257.0 | 174.8 | 97.45 | 51.27 |

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

Unit: A

| Discharge Time F.V. (V/cell) | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|------------------------------------|--------|--------|------|------|------|-------|-------|
| 1.80V | 143 | 95.1 | 49.2 | 20.5 | 14.2 | 7.94 | 4.15 |
| 1.75V | 153 | 98.6 | 50.8 | 21.0 | 14.5 | 8.06 | 4.25 |
| 1.70V | 160 | 100.8 | 51.6 | 21.2 | 14.5 | 8.10 | 4.26 |
| 1.65V | 164 | 102.3 | 52.3 | 21.3 | 14.6 | 8.12 | 4.27 |
| 1.60V | 167 | 103.3 | 52.8 | 21.4 | 14.6 | 8.12 | 4.27 |

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