



VRLA Rechargeable Battery

BPL28-12



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).
- Absorbent Glass Mat technology for efficient gas recombination.

APPLICATION

- UPS
- Wheelchairs
- Lawn Mowers
- Electronic Medical Equipment
- Golf-Carts



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 28.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 9.7Kg(21.39lbs.) |
| Terminals | B1 (Fitting M5 bolt & nut) , T2 and I1 are optional |
| Internal Resistance | ≤10m Ω (Fully Charged) |
| Max. Discharge Current | 420 A (5 sec.) |
| Max. Charge Current | 8.4 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) BPL28-12 Optional: Flame Retardant ABS(UL 94-V0) BPL28-12FR |



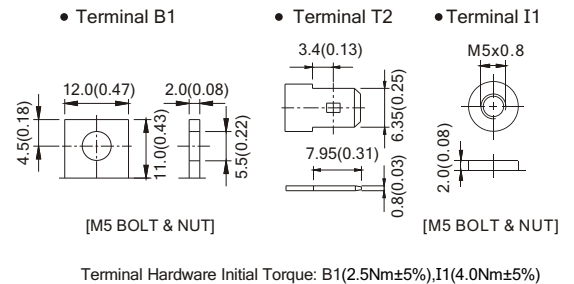
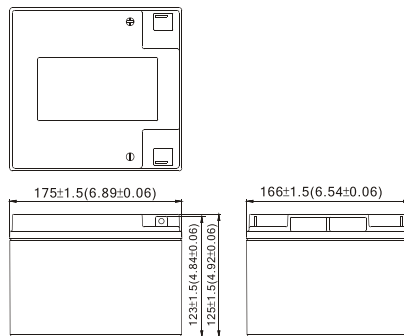
- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
175±1.5 (6.89±0.06)
- **Width**
166±1.5 (6.54±0.06)
- **Container Height**
125±1.5 (4.92±0.06)
- **Total Height**
125±1.5 (4.92±0.06)



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

Unit: W

| F.V. (V/cell) \ Discharge Time | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|--------------------------------|--------|--------|--------|--------|-------|------|------|-------|-------|
| 1.80V | 912.0 | 685.6 | 555.2 | 334.0 | 193.6 | 81.6 | 56.4 | 31.44 | 16.44 |
| 1.75V | 1056.0 | 742.8 | 581.2 | 346.8 | 199.2 | 83.2 | 57.2 | 31.92 | 16.80 |
| 1.70V | 1120.0 | 769.6 | 598.8 | 354.4 | 202.8 | 84.0 | 57.6 | 32.08 | 16.88 |
| 1.65V | 1172.0 | 788.0 | 612.8 | 359.6 | 205.6 | 84.8 | 58.0 | 32.16 | 16.92 |
| 1.60V | 1208.0 | 803.6 | 624.8 | 363.2 | 207.6 | 85.2 | 58.0 | 32.16 | 16.92 |

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

Unit: A

| F.V. (V/cell) \ Discharge Time | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|--------------------------------|-------|--------|--------|--------|------|------|------|-------|-------|
| 1.80V | 82.2 | 60.4 | 48.3 | 28.3 | 16.3 | 6.80 | 4.70 | 2.62 | 1.37 |
| 1.75V | 96.9 | 65.4 | 50.5 | 29.4 | 16.7 | 6.93 | 4.77 | 2.66 | 1.40 |
| 1.70V | 102.8 | 67.7 | 52.1 | 30.0 | 17.0 | 7.00 | 4.80 | 2.67 | 1.41 |
| 1.65V | 107.5 | 69.4 | 53.3 | 30.5 | 17.3 | 7.07 | 4.83 | 2.68 | 1.41 |
| 1.60V | 110.8 | 70.7 | 54.3 | 30.8 | 17.4 | 7.10 | 4.83 | 2.68 | 1.41 |

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