



## VRLA Rechargeable Battery

# BPL80-12



### 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            | 80.0Ah @ 20 hour rate F.V.(1.75V/cell)                                                                   |
| Approx. Weight              | 26.8Kg(59.1lbs.)                                                                                         |
| Terminals                   | I2 (M6 Female Thread)                                                                                    |
| Internal Resistance         | $\leq 5.0m\Omega$ (Fully Charged )                                                                       |
| Max. Discharge Current      | 800 A (5 sec.)                                                                                           |
| Max. Charge Current         | 24.0 A                                                                                                   |
| Operating Temperature Range | Charge : 0°C~40°C(32°F~104°F)<br>Discharge : -20°C~50°C(-4°F~122°F)<br>Storage. : -20°C~40°C(-4°F~104°F) |
| Container Material          | Standard: ABS( UL 94-HB) BPL80-12<br>Optional: Flame Retardant ABS(UL 94-V0) BPL80-12FR                  |



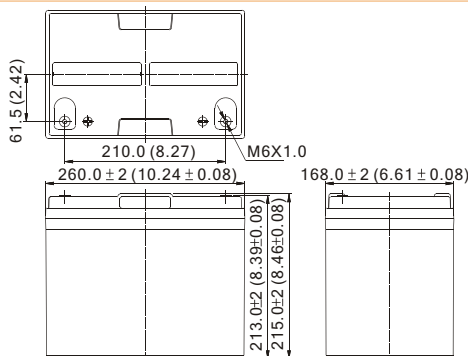
- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.2

### DIMENSION(mm/inch)

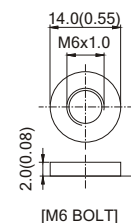
### OUTER DIMENSIONS

### TERMINAL TYPE

- Length  
260±2.0 (10.24±0.08)
- Width  
168±2.0 (6.61±0.08)
- Container Height  
215±2.0 (8.46±0.08)
- Total Height  
215±2.0 (8.46±0.08)



- Terminal I2



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

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

Unit: W

| Discharge Time<br>F.V.<br>(V/cell) | 15 Min | 30 Min | 1 Hr  | 3 Hr  | 5 Hr  | 10 Hr | 20 Hr |
|------------------------------------|--------|--------|-------|-------|-------|-------|-------|
| 1.80V                              | 1443   | 1011   | 551.3 | 232.1 | 160.9 | 89.63 | 46.85 |
| 1.75V                              | 1532   | 1049   | 568.5 | 237.0 | 163.3 | 90.99 | 47.94 |
| 1.70V                              | 1603   | 1072   | 578.3 | 239.4 | 163.9 | 91.48 | 48.07 |
| 1.65V                              | 1658   | 1075   | 579.4 | 239.6 | 164.3 | 91.61 | 48.20 |
| 1.60V                              | 1692   | 1085   | 585.4 | 239.8 | 164.3 | 91.61 | 48.20 |

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

Unit: A

| Discharge Time<br>F.V.<br>(V/cell) | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|------------------------------------|--------|--------|------|------|------|-------|-------|
| 1.80V                              | 130    | 89.5   | 46.3 | 19.3 | 13.4 | 7.50  | 3.90  |
| 1.75V                              | 139    | 92.8   | 47.8 | 19.7 | 13.6 | 7.60  | 4.00  |
| 1.70V                              | 146    | 94.9   | 48.6 | 20.0 | 13.7 | 7.62  | 4.01  |
| 1.65V                              | 151    | 95.1   | 48.7 | 20.0 | 13.7 | 7.63  | 4.02  |
| 1.60V                              | 154    | 96.1   | 49.2 | 20.0 | 13.7 | 7.63  | 4.02  |

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