



## VRLA Rechargeable Battery

# BC100-12



Measures

Technology

Values

Innovation

### FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- Flame-arrestor is installed to ensure safety
- Carry handles for easy installation
- Absorbent Glass Mat technology for efficient gas recombination

### APPLICATIONS

- UPS
- Telecom



### SPECIFICATIONS

|                             |                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------|
| Nominal Voltage             | 12V                                                                                                  |
| Nominal Capacity            | 100.0 Ah @ 20 hour rate F.V.(1.75V/cell)                                                             |
| Approx. Weight              | 28.5Kg(62.8lbs.)                                                                                     |
| Terminals                   | B3 (Fitting M6 bolt & nut) , I2 is optional                                                          |
| Internal Resistance         | $\leq 6m\Omega$ (Fully Charged )                                                                     |
| Max. Discharge Current      | 800 A (5 sec.)                                                                                       |
| Max. Charge Current         | 25 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( UL94 HB) BC100-12<br>Optional: Flame Retardant ABS(UL94 V-0) BC100-12FR               |



MH19884



- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.1

| DIMENSION(mm/inch)                                                                                                                                                                                          | OUTER DIMENSIONS | TERMINAL TYPE                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Length</b><br>329±2.0 (12.95±0.08)<br><b>Width</b><br>172±2.0 (6.77±0.08)<br><b>Container Height</b><br>215±2.0 (8.46±0.08)<br><b>Total Height</b><br>B3:238±2.0 (9.37±0.08)<br>I2:218.5±2.0 (8.60±0.08) |                  | <div> <b>Terminal B3</b><br/> </div> <div> <b>Terminal I2</b><br/> </div> <p>[M6 BOLT &amp; NUT]      [M6 BOLT]</p> <p>Terminal Hardware Initial Torque: B3,I2(5.5Nm±5%)</p> |

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

Unit: W

| Discharge F.V. | 15 Min | 30 Min | 1 Hr  | 3 Hr  | 5 Hr  | 10 Hr | 20 Hr |
|----------------|--------|--------|-------|-------|-------|-------|-------|
| 10.8V          | 1673.1 | 1133.4 | 713.2 | 291.5 | 201.0 | 112.3 | 59.1  |
| 10.5V          | 1749.6 | 1177.1 | 734.6 | 297.3 | 204.0 | 114.0 | 60.0  |
| 10.2V          | 1802.7 | 1203.7 | 747.8 | 300.0 | 205.1 | 114.6 | 60.3  |
| 9.9V           | 1845.0 | 1220.8 | 756.9 | 302.1 | 205.8 | 114.9 | 60.5  |
| 9.6V           | 1881.0 | 1233.1 | 764.4 | 303.9 | 206.4 | 114.9 | 60.5  |

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

Unit: A

| Discharge F.V. | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|----------------|--------|--------|------|------|------|-------|-------|
| 10.8V          | 149.5  | 97.0   | 59.9 | 24.3 | 16.8 | 9.4   | 4.9   |
| 10.5V          | 156.3  | 100.7  | 61.7 | 24.8 | 17.0 | 9.5   | 5.0   |
| 10.2V          | 161.2  | 103.1  | 62.9 | 25.0 | 17.1 | 9.6   | 5.0   |
| 9.9V           | 164.9  | 104.5  | 63.6 | 25.2 | 17.2 | 9.6   | 5.0   |
| 9.6V           | 168.2  | 105.5  | 64.2 | 25.3 | 17.2 | 9.6   | 5.0   |

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.

C/O REV. May. 2025

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