



VRLA Rechargeable Battery

BC100-12



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

APPLICATION

- 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	≤ 6mΩ (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) 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) BC100-12 Optional: Flame Retardant ABS(UL 94-V0) BC100-12FR



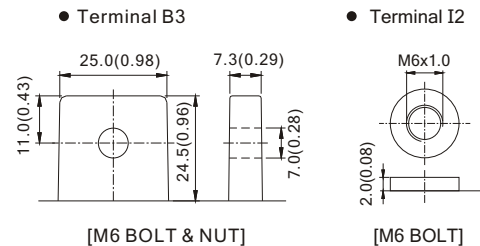
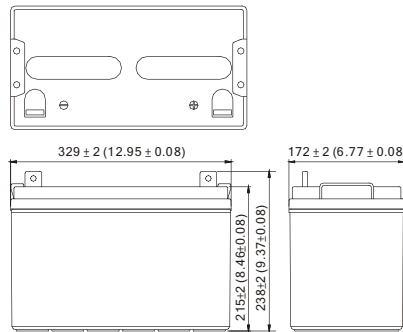
- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.2

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

F.V. (V/cell) \ Discharge Time	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	1673.1	1133.4	713.2	291.5	201.0	112.3	59.1
1.75V	1749.6	1177.1	734.6	297.3	204.0	114.0	60.0
1.70V	1802.7	1203.7	747.8	300.0	205.1	114.6	60.3
1.65V	1845.0	1220.8	756.9	302.1	205.8	114.9	60.5
1.60V	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

F.V. (V/cell) \ Discharge Time	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	149.5	97.0	59.9	24.3	16.8	9.4	4.9
1.75V	156.3	100.7	61.7	24.8	17.0	9.5	5.0
1.70V	161.2	103.1	62.9	25.0	17.1	9.6	5.0
1.65V	164.9	104.5	63.6	25.2	17.2	9.6	5.0
1.60V	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.

A/0 REV. Mar. 2014

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