



# VRLA Rechargeable Battery

## BP100-12



### 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).
- 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	100Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	32.7Kg(72.1lbs.)
Terminals	B3 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≤4.5mΩ (Fully Charged )
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	30 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) BP100-12 Optional: Flame Retardant ABS(UL 94-V0) BP100-12FR



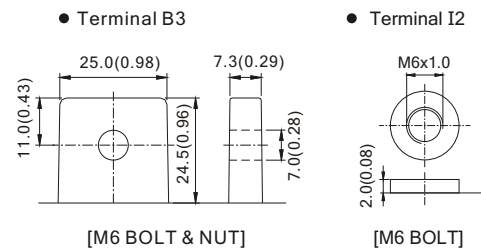
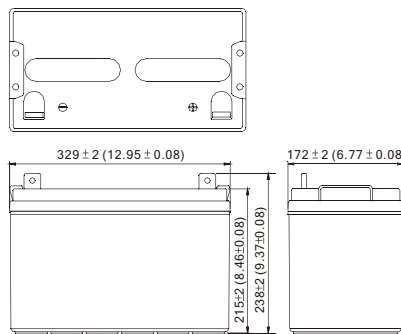
- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.2

### 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		2065	1256	727.8	291.5	201.0	112.31	59.10
1.75V		2160	1304	749.6	297.3	204.0	114.00	60.00
1.70V		2226	1334	763.1	300.0	205.1	114.57	60.31
1.65V		2278	1353	772.3	302.1	205.8	114.91	60.48
1.60V		2323	1366	780.0	303.9	206.4	114.91	60.48

### 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		184.6	107.5	61.16	24.29	16.75	9.36	4.93
1.75V		193.0	111.6	62.99	24.78	17.00	9.50	5.00
1.70V		199.0	114.2	64.13	25.00	17.09	9.55	5.03
1.65V		203.6	115.8	64.90	25.17	17.15	9.58	5.04
1.60V		207.7	116.9	65.55	25.33	17.20	9.58	5.04

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