

## VRLA Rechargeable Battery

# BP100-12 (BP100-12FR)



### 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

### 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	ABS(UL94-HB, UL94-V0 is optional)

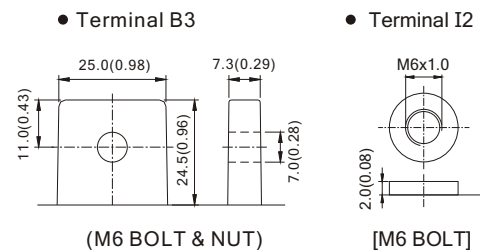
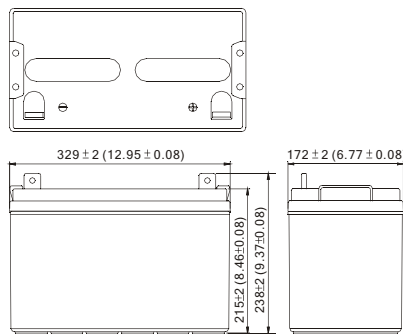
ISO 9001	
ISO14001	
UL	 MH19884
CE	 C4M20310-2474-E-16
<ul style="list-style-type: none"> <li>● IEC60896</li> <li>● JIS C 8704</li> <li>● GB/T 19638</li> </ul>	

### 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)  
I2:220±2.0 (8.66±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	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	2530	2065	1256	727.8	291.5	201.0	112.31	59.10
1.75V	2740	2160	1304	749.6	297.3	204.0	114.00	60.00
1.70V	2839	2226	1334	763.1	300.0	205.1	114.57	60.31
1.65V	2907	2278	1353	772.3	302.1	205.8	114.91	60.48
1.60V	2965	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	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	228.1	184.6	107.5	61.16	24.29	16.75	9.36	4.93
1.75V	247.2	193.0	111.6	62.99	24.78	17.00	9.50	5.00
1.70V	256.0	199.0	114.2	64.13	25.00	17.09	9.55	5.03
1.65V	267.0	203.6	115.8	64.90	25.17	17.15	9.58	5.04
1.60V	277.3	207.7	116.9	65.55	25.33	17.20	9.58	5.04

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