



## VRLA Rechargeable Battery

# EP100-12 (EP100-12FR)



### FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed for heavy duty cyclic application
- Flame-arrestor is installed to ensure safety
- Carry handles for easy installation
- Low self-discharge rate, lower than 3% capacity loss per month

### APPLICATION

- UPS
- Telecom
- Golf-Carts



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	40.0Kg(88.2lbs.)
Terminals	B4 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≤4.0mΩ (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	
CE	
<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

407±2.0 (16.02±0.08)

#### Width

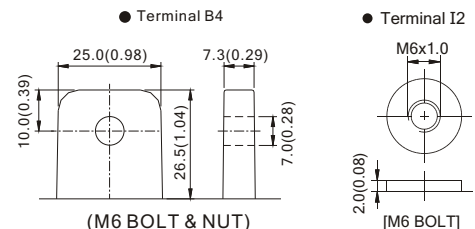
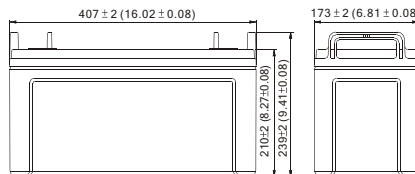
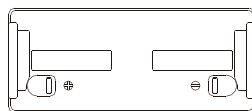
173±2.0 (6.81±0.08)

#### Container Height

210±2.0 (8.27±0.08)

#### Total Height

239±2.0 (9.41±0.08)



Terminal Hardware Initial Torque: B4,I2(5.5Nm±5%)

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

Unit: W

F.V. (V/cell)	Discharge Time	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		1193	691	291	201	112.3	58.7
1.75V		1239	711	297	204	114.0	60.0
1.70V		1266	724	300	206	114.6	60.3
1.65V		1284	734	303	207	114.9	60.4
1.60V		1297	741	304	207	114.9	60.4

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

Unit: A

F.V. (V/cell)	Discharge Time	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		105.6	58.07	24.25	16.75	9.36	4.89
1.75V		109.6	59.75	24.75	17.00	9.50	5.00
1.70V		112.0	60.84	25.00	17.17	9.55	5.03
1.65V		113.6	61.68	25.25	17.25	9.58	5.03
1.60V		114.8	62.27	25.33	17.25	9.58	5.03

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