

## VRLA Rechargeable Battery

# BP120-12 (BP120-12FR)



### 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	120Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	39.5Kg(87.1lbs.)
Terminals	B4 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≤4mΩ (Fully Charged )
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	36 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)

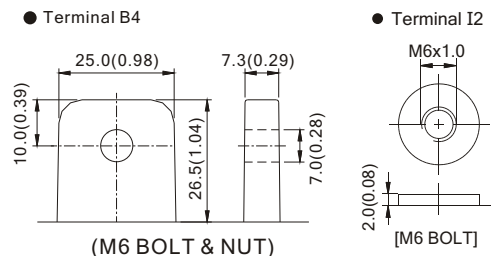
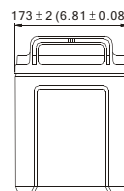
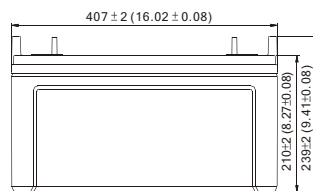
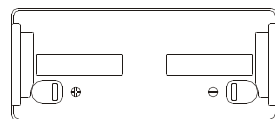
ISO 9001	
ISO14001	
UL	
CE	
<ul style="list-style-type: none"> <li>● IEC60896</li> <li>● JIS C 8704</li> <li>● GB/T 19638</li> </ul>	

### 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	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V		2821	2346	1523	873.4	349.8	241.2	134.8	70.92
1.75V		3057	2454	1581	899.6	356.8	244.8	136.8	72.00
1.70V		3166	2530	1617	915.7	360.0	246.1	137.5	72.36
1.65V		3242	2588	1640	926.7	362.5	247.2	137.9	72.58
1.60V		3307	2640	1656	936.0	364.7	247.7	137.9	72.58

### 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		248	204	129	73.4	29.1	20.10	11.23	5.91
1.75V		269	213	134	75.6	29.7	20.40	11.40	6.00
1.70V		279	220	137	77.0	30.0	20.51	11.46	6.03
1.65V		285	225	139	77.9	30.2	20.60	11.49	6.05
1.60V		291	230	140	78.7	30.4	20.64	11.49	6.05

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