



VRLA Rechargeable Battery

BC120-12



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	120.0 Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	35Kg(77.16lbs.)
Terminals	B4 (Fitting M6 bolt & nut) , I2 is optional
Internal Resistance	≤ 5mΩ (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	Standard: ABS(UL 94-HB) BC120-12 Optional: Flame Retardant ABS(UL 94-V0) BC120-12FR

WSF ISO9001	RA MH19884
WSF ISO14001	CE CAM20310-2474-E-16
WSF OHSMS	
<ul style="list-style-type: none"> ● IEC 60896-21/22 ● JIS C 8704-2 ● GB/T 19638.2 	

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> ■ 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) 		<p>● Terminal B4 ● Terminal I2</p> <p>[M6 BOLT & NUT] [M6 BOLT]</p> <p>Terminal Hardware Initial Torque: B4,I2(5.5Nm±5%)</p>

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	2007.7	1360.1	855.8	349.8	241.2	134.8	70.9
1.75V	2099.5	1412.5	881.5	356.8	244.8	136.8	72.0
1.70V	2163.2	1444.4	897.4	360.0	246.1	137.5	72.4
1.65V	2214.0	1465.0	908.3	362.5	247.0	137.9	72.6
1.60V	2257.2	1479.7	917.3	364.7	247.7	137.9	72.6

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	179.4	116.4	71.9	29.2	20.2	11.3	5.9
1.75V	187.6	120.8	74.0	29.8	20.4	11.4	6.0
1.70V	193.4	123.7	75.5	30.0	20.5	11.5	6.0
1.65V	197.9	125.4	76.3	30.2	20.6	11.5	6.0
1.60V	201.8	126.6	77.0	30.4	20.6	11.5	6.0

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

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