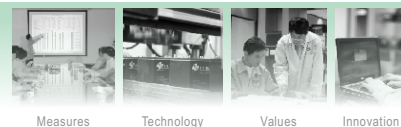




VRLA Rechargeable Battery

BC120-12



Measures

Technology

Values

Innovation

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

APPLICATIONS

- 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	$\leq 5m\Omega$ (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(UL94 HB) BC120-12 Optional: Flame Retardant ABS(UL94 V-0) BC120-12FR



MH19884



- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.1

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 B4 [M6 BOLT & NUT] ● Terminal I2 [M6 BOLT] Terminal Hardware Initial Torque: B4,I2(5.5Nm±5%)

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

Unit: W

Discharge F.V.	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	2007.7	1360.1	855.8	349.8	241.2	134.8	70.9
10.5V	2099.5	1412.5	881.5	356.8	244.8	136.8	72.0
10.2V	2163.2	1444.4	897.4	360.0	246.1	137.5	72.4
9.9V	2214.0	1465.0	908.3	362.5	247.0	137.9	72.6
9.6V	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

Discharge F.V.	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.8V	179.4	116.4	71.9	29.2	20.2	11.3	5.9
10.5V	187.6	120.8	74.0	29.8	20.4	11.4	6.0
10.2V	193.4	123.7	75.5	30.0	20.5	11.5	6.0
9.9V	197.9	125.4	76.3	30.2	20.6	11.5	6.0
9.6V	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.

B/5 REV. May. 2025

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