VRLA Rechargeable Battery

BPS120-12 (BPS120-12FR)

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.
- Absorbent Glass Mat technology for efficient gas recombination.

APPLICATION

- UPS
- Telecom
- Golf-Carts

SPECIFICATIONS

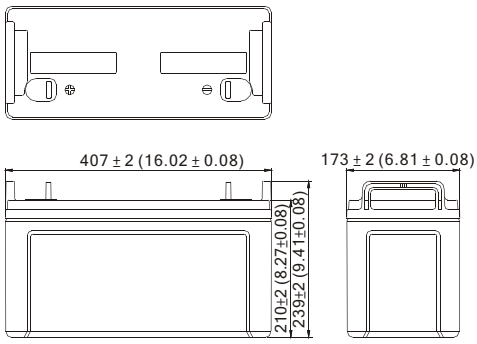
Nominal Voltage	12 V
Nominal Capacity	120Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	39.5Kg(87.1lbs.)
Terminals	B4 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≦4mΩ (Fully Charged)
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	36 A
Operating Temperature Range	Charge：0°C~40°C(32°F~104°F) 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)

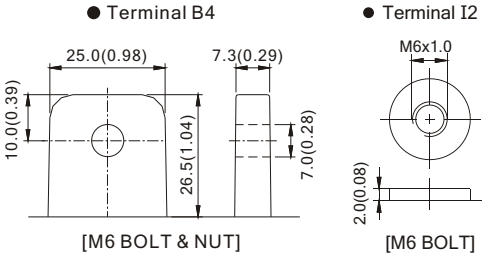
WSF ISO9001 MH19884
WSF ISO14001 CE
WSF OHSMS

- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.2

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	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	2346	1523	873.4	349.8	241.2	134.8	70.92
1.75V	2454	1581	899.6	356.8	244.8	136.8	72.00
1.70V	2530	1617	915.7	360.0	246.1	137.5	72.36
1.65V	2588	1640	926.7	362.5	247.2	137.9	72.58
1.60V	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	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	204	129	73.4	29.1	20.10	11.23	5.91
1.75V	213	134	75.6	29.7	20.40	11.40	6.00
1.70V	220	137	77.0	30.0	20.51	11.46	6.03
1.65V	225	139	77.9	30.2	20.60	11.49	6.05
1.60V	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 hereinto.

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