

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) |

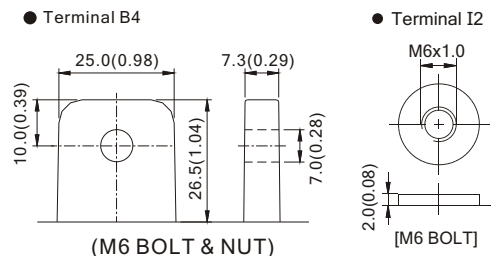
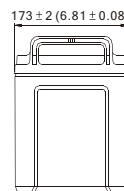
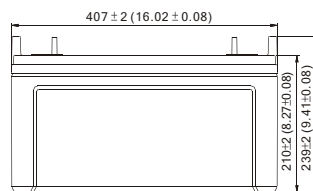
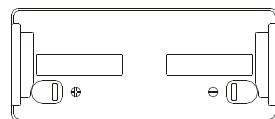
| | |
|--|--|
| ISO 9001 | |
| ISO14001 | |
| UL | |
| CE | |
| <ul style="list-style-type: none"> ● IEC60896 ● JIS C 8704 ● GB/T 19638 | |

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 hereinto.