

VRLA Rechargeable Battery

BP160-12 (BP160-12FR)



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



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 160Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 51.2Kg(112.9lbs.) |
| Terminals | B9 (Fitting M8 bolt & nut) I3 is optional |
| Internal Resistance | ≤2.7mΩ (Fully Charged) |
| Max. Discharge Current | 800 A (5 sec.) |
| Max. Charge Current | 48 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"> ● IEC 60896-21/22 ● JIS C 8704-2 ● GB/T 19638.2 | |

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

483±2.0 (19.02±0.08)

Width

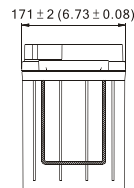
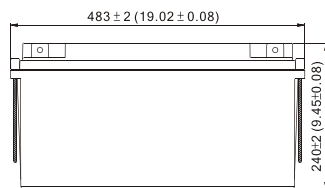
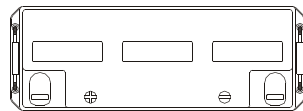
171±2.0 (6.73±0.08)

Container Height

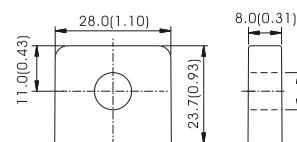
240±2.0 (9.45±0.08)

Total Height

240±2.0 (9.45±0.08)

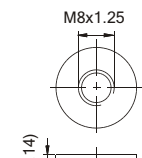


Terminal B9



[M8 BOLT & NUT]

Terminal I3



[M8 BOLT]

Terminal Hardware Initial Torque: B9,I3(10.0Nm±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 | 2933 | 2030 | 1165 | 466.3 | 321.6 | 180.0 | 94.8 |
| 1.75V | 3068 | 2107 | 1199 | 475.7 | 326.4 | 182.4 | 96.0 |
| 1.70V | 3163 | 2155 | 1221 | 480.0 | 328.2 | 183.3 | 96.5 |
| 1.65V | 3235 | 2185 | 1236 | 483.4 | 329.4 | 183.8 | 96.7 |
| 1.60V | 3300 | 2208 | 1248 | 486.2 | 330.3 | 183.8 | 96.7 |

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 | 255.0 | 172.0 | 97.9 | 38.86 | 26.80 | 15.00 | 7.90 |
| 1.75V | 266.8 | 178.6 | 100.8 | 39.64 | 27.20 | 15.20 | 8.00 |
| 1.70V | 275.0 | 182.7 | 102.6 | 40.00 | 27.35 | 15.28 | 8.04 |
| 1.65V | 281.3 | 185.2 | 103.8 | 40.28 | 27.45 | 15.32 | 8.06 |
| 1.60V | 287.0 | 187.1 | 104.9 | 40.52 | 27.52 | 15.32 | 8.06 |

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