



VRLA Rechargeable Battery

BP180-6



FEATURES

- Maintenance Free (topping up not needed)
- Non - spillable (no free electrolyte)
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations
- integrated Flame Arrestor at each cell
- Carry Handles for easy installation


APPLICATIONS

- UPS
- Telecom Systems
- Switch Boards
- Elevated Platforms
- Photovoltaic Systems
- Golf Carts




SPECIFICATIONS

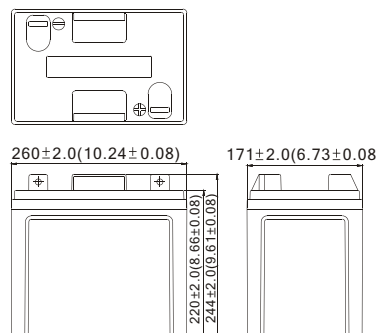
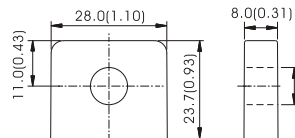
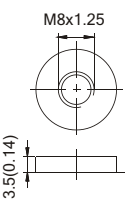
| | |
|-----------------------------|---|
| Nominal Voltage | 6 V |
| Nominal Capacity | 180Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 28.8Kg(63.5lbs.) |
| Terminals | B9 (Fitting M8 bolt & nut) I3 is optional |
| Internal Resistance | ≤2.5mΩ (Fully Charged) |
| Max. Discharge Current | 800 A (5 sec.) |
| Max. Charge Current | 54 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) BP180-6 Optional: Flame Retardant ABS(UL94 V-0) BP180-6FR |



MH19884



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

| DIMENSION(mm/inch) | OUTER DIMENSIONS | TERMINAL TYPE |
|--|---|---|
| Length 260±2.0 (10.24±0.08) Width 171±2.0 (6.73±0.08) Container Height 220±2.0 (8.66±0.08) Total Height 244±2.0 (9.61±0.08) |  | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>● Terminal B9</p>  <p>[M8 BOLT & NUT]</p> </div> <div style="text-align: center;"> <p>● Terminal I3</p>  <p>[M8 BOLT]</p> </div> </div> <p>Terminal Hardware Initial Torque: B9,I3(10.0Nm±5%)</p> |

| Constant power discharge characteristics at 25 °C/77 °F | | | | | | | | Unit: W |
|---|--------|--------|-------|-------|-------|-------|-------|---------|
| Discharge Time F.V. | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr | |
| 5.40V | 1732 | 1165 | 655.1 | 262.3 | 180.9 | 101.1 | 53.33 | |
| 5.25V | 1812 | 1209 | 674.6 | 267.6 | 183.6 | 102.6 | 54.00 | |
| 5.10V | 1868 | 1237 | 686.8 | 270.0 | 184.6 | 103.1 | 54.27 | |
| 4.95V | 1911 | 1254 | 695.1 | 271.9 | 185.3 | 103.4 | 54.41 | |
| 4.80V | 1949 | 1267 | 702.0 | 273.5 | 185.8 | 103.4 | 54.41 | |

| Constant current discharge characteristics at 25 °C/77 °F | | | | | | | | Unit: A |
|---|--------|--------|-------|-------|-------|-------|-------|---------|
| Discharge Time F.V. | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr | |
| 5.40V | 301.2 | 197.4 | 110.1 | 43.71 | 30.15 | 16.84 | 8.89 | |
| 5.25V | 315.1 | 204.9 | 113.4 | 44.59 | 30.60 | 17.10 | 9.00 | |
| 5.10V | 324.8 | 209.6 | 115.4 | 45.00 | 30.77 | 17.19 | 9.05 | |
| 4.95V | 332.3 | 212.5 | 116.8 | 45.32 | 30.88 | 17.23 | 9.07 | |
| 4.80V | 339.0 | 214.7 | 118.0 | 45.58 | 30.96 | 17.23 | 9.07 | |

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/2 REV. Apr. 2021