



VRLA Rechargeable Battery

BP35-12 Standard Type



FEATURES

- Maintenance Free (topping up not needed)
- Non-spillable (no free electrolyte)
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations

APPLICATION

- UPS
- Wheelchairs
- Lawn Mowers
- Golf-Carts
- Electronic Medical Equipment



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 35.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 11450g(25.25lbs.) |
| Terminals | B7 (Fitting M6 bolt & nut) |
| Internal Resistance | ≤9mΩ (Fully Charged) |
| Max. Discharge Current | 525 A (5 sec.) |
| Max. Charge Current | 10.5 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) BP35-12 Optional: Flame Retardant ABS(UL94 V-0) BP35-12FR |

RU[®]
MH19884

CE
C4M20310-2474-E-16

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

| DIMENSION(mm/inch) | OUTER DIMENSIONS | TERMINAL TYPE |
|--|------------------|---|
| <p>■ Length 195±1.5 (7.68±0.06)</p> <p>■ Width 129±1.5 (5.08±0.06)</p> <p>■ Container Height 155±1.5 (6.10±0.06)</p> <p>■ Total Height 179±2.0 (7.05±0.08)</p> | | <p>● Terminal B7</p> <p>[M6 BOLT & NUT] Terminal Hardware Initial Torque: B7 (5.5Nm±5%)</p> |

Constant power discharge characteristics at 25 °C/77 °F Unit: W

| F.V. (V/cell) \ Discharge Time | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|--------------------------------|-------|--------|--------|--------|-------|-------|------|-------|-------|
| 1.80V | 1265 | 932 | 747 | 444 | 254.7 | 102.0 | 70.3 | 39.31 | 20.69 |
| 1.75V | 1465 | 1009 | 781 | 461 | 262.4 | 104.1 | 71.4 | 39.90 | 21.00 |
| 1.70V | 1556 | 1045 | 805 | 472 | 267.1 | 105.0 | 71.8 | 40.10 | 21.11 |
| 1.65V | 1626 | 1071 | 824 | 478 | 270.3 | 105.7 | 72.0 | 40.22 | 21.17 |
| 1.60V | 1680 | 1092 | 840 | 483 | 273.0 | 106.4 | 72.3 | 40.22 | 21.17 |

Constant current discharge characteristics at 25 °C/77 °F Unit: A

| F.V. (V/cell) \ Discharge Time | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|--------------------------------|-------|--------|--------|--------|------|------|------|-------|-------|
| 1.80V | 114.0 | 82.0 | 64.9 | 37.6 | 21.4 | 8.50 | 5.86 | 3.28 | 1.72 |
| 1.75V | 134.4 | 88.8 | 67.9 | 39.1 | 22.0 | 8.67 | 5.95 | 3.32 | 1.75 |
| 1.70V | 142.8 | 92.0 | 70.0 | 40.0 | 22.4 | 8.75 | 5.98 | 3.34 | 1.76 |
| 1.65V | 149.2 | 94.2 | 71.6 | 40.5 | 22.7 | 8.81 | 6.00 | 3.35 | 1.76 |
| 1.60V | 154.1 | 96.1 | 73.0 | 40.9 | 22.9 | 8.86 | 6.02 | 3.35 | 1.76 |

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/1 REV. Apr. 2019

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