



VRLA Rechargeable Battery

BC35-12 Standard Type



FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- Absorbent Glass Mat technology for efficient gas recombination

APPLICATION

- UPS
- Wheelchairs
- Electronic Medical Equipment



SPECIFICATIONS

| | |
|-----------------------------|---------------------------------------------------------------------------------------------------------|
| Nominal Voltage | 12 V |
| Nominal Capacity | 35.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 9.6Kg(21.16lbs.) |
| Terminals | B7 (Fitting M6 bolt & nut) |
| Internal Resistance | ≤ 13mΩ (Fully Charged) |
| Max. Discharge Current | 350 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(UL 94-HB) BC35-12 Optional: Flame Retardant ABS(UL 94-V0) BC35-12FR |

- 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 | 880 | 717 | 586 | 397 | 249.7 | 102.0 | 70.3 | 39.33 | 20.67 |
| 1.75V | 988 | 777 | 612 | 412 | 257.2 | 104.1 | 71.4 | 39.92 | 21.00 |
| 1.70V | 1082 | 804 | 631 | 421 | 261.8 | 105.0 | 71.8 | 40.08 | 21.08 |
| 1.65V | 1130 | 824 | 646 | 427 | 264.8 | 105.7 | 72.0 | 40.25 | 21.17 |
| 1.60V | 1168 | 841 | 658 | 432 | 267.6 | 106.4 | 72.3 | 40.25 | 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 | 80.1 | 64.7 | 52.3 | 33.9 | 21.00 | 8.50 | 5.83 | 3.25 | 1.67 |
| 1.75V | 91.6 | 70.1 | 54.8 | 35.3 | 21.58 | 8.67 | 5.92 | 3.33 | 1.75 |
| 1.70V | 100.3 | 72.6 | 56.4 | 36.1 | 22.00 | 8.75 | 6.00 | 3.33 | 1.75 |
| 1.65V | 106.8 | 75.8 | 57.8 | 36.6 | 22.25 | 8.83 | 6.00 | 3.33 | 1.75 |
| 1.60V | 112.4 | 78.7 | 58.8 | 36.9 | 22.50 | 8.83 | 6.00 | 3.33 | 1.75 |

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.

A/0 REV. Mar. 2014

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