



VRLA Rechargeable Battery

EVP35-12 Handle Type



FEATURES

- Absorbent Glass Mat technology for efficient gas recombination
- 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)
- The battery is designed for high power & high cyclic usage

APPLICATION

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



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 35Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 12.5Kg(27.571lbs.) |
| Terminals | B7 (Fitting M6 bolt & nut) I2 is optional |
| Internal Resistance | ≤6mΩ (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(UL 94-HB) EVP35-12 Optional: Flame Retardant ABS(UL 94-V0) EVP35-12FR |

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

| DIMENSION(mm/inch) | OUTER DIMENSIONS | TERMINAL TYPE |
|---|------------------|------------------------|
| Length 210±1.5 (8.27±0.06) | | Terminal B7 |
| Width 129±1.5 (5.08±0.06) | | Terminal I2 |
| Container Height 168±1.5 (6.61±0.06) | | [M6 BOLT & NUT] |
| Total Height B7:179±2.0 (7.05±0.08) I2:168±2.0 (6.61±0.08) | | [M6 BOLT] |

Terminal Hardware Initial Torque: B7/I2(5.5Nm±5%)

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 | 1503 | 1065 | 766 | 481 | 274 | 111.4 | 70.4 | 39.2 | 20.5 |
| 1.75V | 1740 | 1154 | 810 | 500 | 282 | 114.1 | 71.6 | 40.0 | 21.0 |
| 1.70V | 1849 | 1200 | 834 | 511 | 289 | 115.0 | 72.1 | 40.3 | 21.1 |
| 1.65V | 1933 | 1227 | 856 | 519 | 292 | 116.1 | 72.5 | 40.3 | 21.1 |
| 1.60V | 1997 | 1249 | 871 | 525 | 294 | 116.5 | 72.7 | 40.3 | 21.1 |

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 | 139.20 | 96.83 | 72.59 | 42.59 | 23.06 | 9.28 | 5.87 | 3.27 | 1.71 |
| 1.75V | 164.19 | 105.89 | 76.94 | 44.21 | 23.73 | 9.51 | 5.97 | 3.33 | 1.75 |
| 1.70V | 174.47 | 110.12 | 79.18 | 45.19 | 24.27 | 9.59 | 6.01 | 3.35 | 1.76 |
| 1.65V | 182.35 | 112.53 | 80.99 | 45.90 | 24.53 | 9.68 | 6.04 | 3.36 | 1.76 |
| 1.60V | 188.36 | 114.57 | 82.44 | 46.46 | 24.73 | 9.71 | 6.06 | 3.36 | 1.76 |

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