



VRLA Rechargeable Battery

EVP12-12



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
- Electrical Bicycle
- Fishing Lights
- Lawn Mower



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 12Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 4200g(9.26lbs.) |
| Terminals | T2 (Faston Tab 250) T1 is optional |
| Internal Resistance | ≤12mΩ (Fully Charged) |
| Max. Discharge Current | 180 A (5 sec.) |
| Max. Charge Current | 3.6 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) EVP12-12 Optional: Flame Retardant ABS(UL 94-V0) EVP12-12FR |

ISO9001 **MH19884**

ISO14001 **CAM20310-2474-E-16**

OHSMS

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

| DIMENSION(mm/inch) | OUTER DIMENSIONS | TERMINAL TYPE |
|---|------------------|---|
| <p>■ Length 151±1.5 (5.94±0.06)</p> <p>■ Width 98±1.5 (3.86±0.06)</p> <p>■ Container Height 94±1.5 (3.70±0.06)</p> <p>■ Total Height 98±2.0 (3.86±0.08)</p> | | <p>● Terminal T1</p> <p>● Terminal T2</p> |

| Constant power discharge characteristics at 25 °C/77 °F Unit: W | | | | | | | | | |
|---|-------|--------|--------|--------|-------|------|------|-------|-------|
| Discharge Time F.V. (V/cell) | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
| 1.80V | 515 | 365 | 263 | 165 | 94.1 | 38.2 | 24.1 | 13.4 | 7.05 |
| 1.75V | 597 | 396 | 278 | 171 | 96.8 | 39.1 | 24.5 | 13.7 | 7.20 |
| 1.70V | 634 | 412 | 286 | 175 | 99.0 | 39.4 | 24.7 | 13.8 | 7.23 |
| 1.65V | 663 | 421 | 293 | 178 | 100.0 | 39.8 | 24.8 | 13.8 | 7.25 |
| 1.60V | 685 | 428 | 299 | 180 | 101.0 | 40.0 | 24.9 | 13.8 | 7.25 |

| Constant current discharge characteristics at 25 °C/77 °F Unit: A | | | | | | | | | |
|---|-------|--------|--------|--------|------|------|------|-------|-------|
| Discharge Time F.V. (V/cell) | 5 Min | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
| 1.80V | 47.73 | 33.20 | 24.89 | 14.60 | 7.91 | 3.18 | 2.01 | 1.12 | 0.59 |
| 1.75V | 56.30 | 36.31 | 26.38 | 15.16 | 8.14 | 3.26 | 2.05 | 1.14 | 0.60 |
| 1.70V | 59.82 | 37.76 | 27.15 | 15.50 | 8.32 | 3.29 | 2.06 | 1.15 | 0.60 |
| 1.65V | 62.52 | 38.58 | 27.77 | 15.74 | 8.41 | 3.32 | 2.07 | 1.15 | 0.60 |
| 1.60V | 64.58 | 39.28 | 28.26 | 15.93 | 8.48 | 3.33 | 2.08 | 1.15 | 0.60 |

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