



VRLA Rechargeable Battery

BP12-12 (BP12-12FR)



FEATURES

- 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).
- Absorbent Glass Mat technology for efficient gas recombination.

APPLICATION

- UPS
- Fishing Lights
- Toy-Cars
- Power Packs
- Laboratory Equipment



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 12.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 3940g(8.69lbs.) |
| Terminals | T2 (Faston Tab 250) T1 is optional |
| Internal Resistance | ≤18mΩ (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 | ABS(UL94-HB, UL94-V0 is optional) |

ISO 9001

ISO14001

UL

CE

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1
- VdS G102106

| 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 | 433.9 | 319.4 | 256.0 | 152.3 | 87.3 | 35.0 | 24.1 | 13.48 | 7.09 |
| 1.75V | 502.2 | 346.0 | 267.7 | 158.1 | 90.0 | 35.7 | 24.5 | 13.68 | 7.20 |
| 1.70V | 533.6 | 358.5 | 276.0 | 161.7 | 91.6 | 36.0 | 24.6 | 13.75 | 7.24 |
| 1.65V | 557.5 | 367.1 | 282.4 | 164.0 | 92.7 | 36.3 | 24.7 | 13.79 | 7.26 |
| 1.60V | 576.0 | 374.4 | 288.0 | 165.6 | 93.6 | 36.5 | 24.8 | 13.79 | 7.26 |

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 | 39.09 | 28.12 | 22.26 | 12.91 | 7.34 | 2.91 | 2.01 | 1.123 | 0.591 |
| 1.75V | 46.07 | 30.46 | 23.28 | 13.40 | 7.56 | 2.97 | 2.04 | 1.140 | 0.600 |
| 1.70V | 48.95 | 31.55 | 24.00 | 13.70 | 7.70 | 3.00 | 2.05 | 1.146 | 0.603 |
| 1.65V | 51.15 | 32.31 | 24.55 | 13.89 | 7.79 | 3.02 | 2.06 | 1.149 | 0.605 |
| 1.60V | 52.84 | 32.96 | 25.04 | 14.03 | 7.87 | 3.04 | 2.06 | 1.149 | 0.605 |

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