



VRLA Rechargeable Battery

EP17-12 (EP17-12FR)



FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed for heavy duty cyclic application
- Low self-discharge rate, lower than 3% capacity loss per month

APPLICATION

- UPS
- Fishing Lights
- Lawn Mowers
- Electrical Bicycle



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 17Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 6200g(13.67lbs.) |
| Terminals | B1 (Fitting M5 bolt & nut) , T2 and I1 are optional |
| Internal Resistance | ≤16m Ω (Fully Charged) |
| Max. Discharge Current | 255 A (5 sec.) |
| Max. Charge Current | 5.1 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 | |
| <ul style="list-style-type: none"> ● IEC61056 ● JIS C 8702 ● GB/T 19639 | |

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

181±1.5 (7.13±0.06)

Width

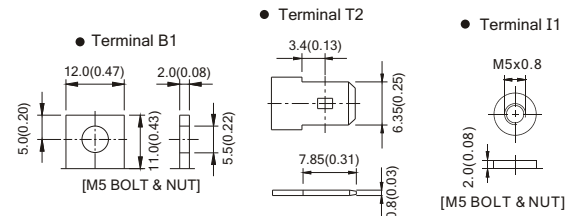
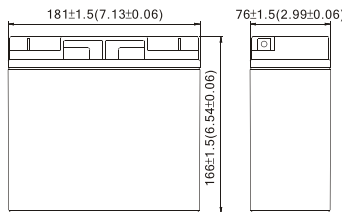
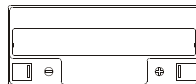
76±1.5 (2.99±0.06)

Container Height

166±1.5 (6.54±0.06)

Total Height

166±1.5 (6.54±0.06)



Terminal Hardware Initial Torque: B1 (2.5Nm±5%),I1(4.0Nm±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 | | 554.0 | 416.3 | 337.1 | 202.8 | 117.50 | 49.50 | 34.20 | 19.09 | 9.98 |
| 1.75V | | 641.0 | 451.0 | 352.9 | 210.6 | 120.90 | 50.50 | 34.70 | 19.38 | 10.20 |
| 1.70V | | 680.0 | 467.3 | 363.6 | 215.2 | 123.10 | 51.00 | 35.00 | 19.48 | 10.25 |
| 1.65V | | 712.0 | 478.4 | 372.1 | 218.3 | 124.80 | 51.50 | 35.20 | 19.53 | 10.27 |
| 1.60V | | 733.0 | 487.9 | 379.3 | 220.5 | 126.00 | 51.70 | 35.20 | 19.53 | 10.27 |

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 | | 49.91 | 36.65 | 29.31 | 17.19 | 9.87 | 4.13 | 2.85 | 1.59 | 0.83 |
| 1.75V | | 58.81 | 39.70 | 30.69 | 17.85 | 10.16 | 4.21 | 2.89 | 1.62 | 0.85 |
| 1.70V | | 62.39 | 41.14 | 31.62 | 18.24 | 10.34 | 4.25 | 2.92 | 1.62 | 0.85 |
| 1.65V | | 65.32 | 42.11 | 32.36 | 18.50 | 10.49 | 4.29 | 2.93 | 1.63 | 0.86 |
| 1.60V | | 67.25 | 42.95 | 32.98 | 18.69 | 10.59 | 4.31 | 2.93 | 1.63 | 0.86 |

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