

VRLA Rechargeable Battery

BP5-12 (BP5-12FR)



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).

APPLICATION

- UPS
- Electronic Doorbells
- Toy-Cars
- Fans



SPECIFICATIONS

| | |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| Nominal Voltage | 12 V |
| Nominal Capacity | 5.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 1800g(3.97lbs.) |
| Terminals | T1 (Faston Tab 187) T2 is optional |
| Internal Resistance | ≤27m Ω (Fully Charged) |
| Max. Discharge Current | 75 A (5 sec.) |
| Max. Charge Current | 1.5 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 | 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

90±1.5 (3.54±0.06)

Width

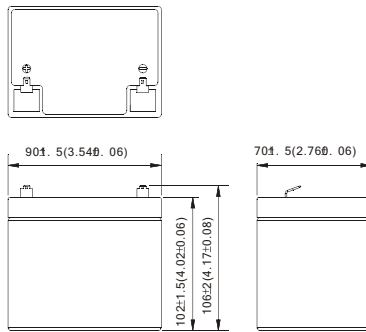
70±1.5 (2.76±0.06)

Container Height

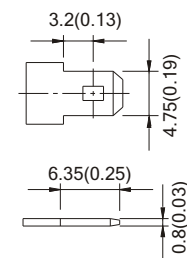
102±1.5 (4.02±0.06)

Total Height

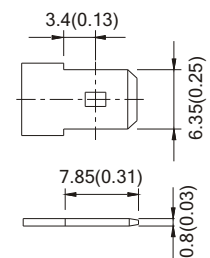
106±2.0 (4.17±0.08)



Terminal T1



Terminal T2



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 | 180.8 | 133.1 | 106.6 | 63.5 | 36.39 | 14.57 | 10.05 | 5.62 | 2.96 |
| 1.75V | 209.2 | 144.2 | 111.5 | 65.9 | 37.48 | 14.87 | 10.20 | 5.70 | 3.00 |
| 1.70V | 222.3 | 149.4 | 115.0 | 67.4 | 38.16 | 15.00 | 10.26 | 5.73 | 3.01 |
| 1.65V | 232.3 | 152.9 | 117.6 | 68.3 | 38.61 | 15.10 | 10.29 | 5.75 | 3.02 |
| 1.60V | 240.0 | 156.0 | 120.0 | 69.0 | 39.00 | 15.20 | 10.32 | 5.75 | 3.02 |

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 | 16.3 | 11.71 | 9.27 | 5.38 | 3.06 | 1.21 | 0.837 | 0.468 | 0.246 |
| 1.75V | 19.2 | 12.69 | 9.70 | 5.58 | 3.15 | 1.24 | 0.850 | 0.475 | 0.250 |
| 1.70V | 20.4 | 13.15 | 10.00 | 5.71 | 3.21 | 1.25 | 0.855 | 0.477 | 0.251 |
| 1.65V | 21.3 | 13.46 | 10.23 | 5.79 | 3.24 | 1.26 | 0.858 | 0.479 | 0.252 |
| 1.60V | 22.0 | 13.73 | 10.43 | 5.85 | 3.28 | 1.27 | 0.860 | 0.479 | 0.252 |

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