

VRLA Rechargeable Battery

BP8-12 (BP8-12FR)



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



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 8.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 2650g(5.84lbs.) |
| Terminals | T2 (Faston Tab 250) T1 is optional |
| Internal Resistance | ≤25mΩ (Fully Charged) |
| Max. Discharge Current | 120 A (5 sec.) |
| Max. Charge Current | 2.4 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

151±1.5 (5.94±0.06)

Width

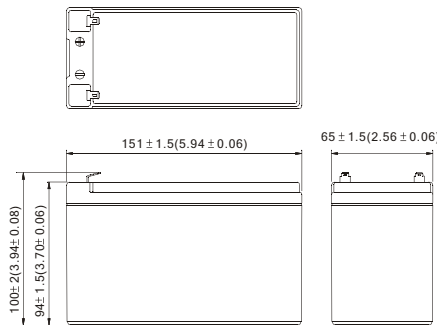
65±1.5 (2.56±0.06)

Container Height

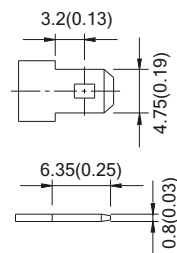
94±1.5 (3.70±0.06)

Total Height

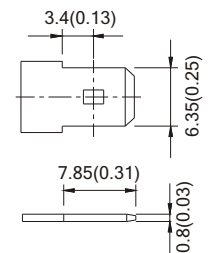
100±2.0 (3.94±0.08)



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 | 289 | 213 | 171 | 101.5 | 58.2 | 23.3 | 16.08 | 8.99 | 4.73 |
| 1.75V | 335 | 231 | 178 | 105.4 | 60.0 | 23.8 | 16.32 | 9.12 | 4.80 |
| 1.70V | 356 | 239 | 184 | 107.8 | 61.0 | 24.0 | 16.41 | 9.17 | 4.82 |
| 1.65V | 372 | 245 | 188 | 109.3 | 61.8 | 24.2 | 16.47 | 9.19 | 4.84 |
| 1.60V | 384 | 250 | 192 | 110.4 | 62.4 | 24.3 | 16.52 | 9.19 | 4.84 |

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 | 26.1 | 18.7 | 14.8 | 8.60 | 4.89 | 1.94 | 1.340 | 0.749 | 0.394 |
| 1.75V | 30.7 | 20.3 | 15.5 | 8.93 | 5.04 | 1.98 | 1.360 | 0.760 | 0.400 |
| 1.70V | 32.6 | 21.0 | 16.0 | 9.14 | 5.13 | 2.00 | 1.367 | 0.764 | 0.402 |
| 1.65V | 34.1 | 21.5 | 16.4 | 9.26 | 5.19 | 2.01 | 1.372 | 0.766 | 0.403 |
| 1.60V | 35.2 | 22.0 | 16.7 | 9.36 | 5.24 | 2.03 | 1.376 | 0.766 | 0.403 |

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