



VRLA Rechargeable Battery

BPL7-12 (BPL7-12FR)



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



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 7.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 2600g(5.73lbs.) |
| Terminals | T2 (Faston Tab 250) T1 is optional |
| Internal Resistance | ≤25m Ω (Fully Charged) |
| Max. Discharge Current | 105 A (5 sec.) |
| Max. Charge Current | 2.1 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) |

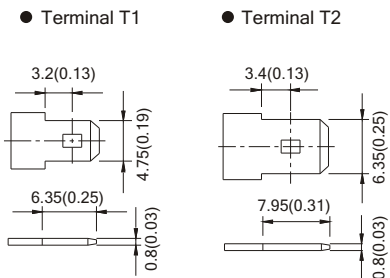
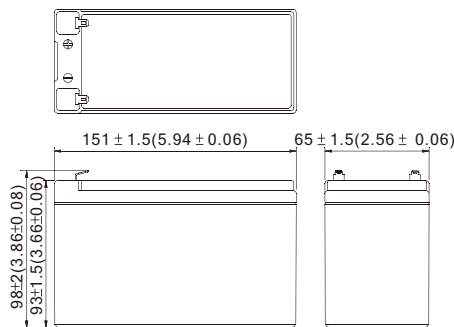
| | |
|---|--|
| ISO 9001 | |
| ISO14001 | |
| UL | |
| CE | |
| <ul style="list-style-type: none"> ● IEC 61056-1 ● JIS C 8702-1 ● GB/T 19639.1 | |

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**
93±1.5 (3.66±0.06)
- **Total Height**
98±2.0 (3.86±0.08)



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 | 228.0 | 171.4 | 138.8 | 83.50 | 48.40 | 20.40 | 14.10 | 7.86 | 4.11 |
| 1.75V | 264.0 | 185.7 | 145.3 | 86.70 | 49.80 | 20.80 | 14.30 | 7.98 | 4.20 |
| 1.70V | 280.0 | 192.4 | 149.7 | 88.60 | 50.70 | 21.00 | 14.40 | 8.02 | 4.22 |
| 1.65V | 293.0 | 197.0 | 153.2 | 89.90 | 51.40 | 21.20 | 14.50 | 8.04 | 4.23 |
| 1.60V | 302.0 | 200.9 | 156.2 | 90.80 | 51.90 | 21.30 | 14.50 | 8.04 | 4.23 |

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 | 20.54 | 15.09 | 12.07 | 7.076 | 4.067 | 1.700 | 1.175 | 0.655 | 0.343 |
| 1.75V | 24.22 | 16.35 | 12.63 | 7.347 | 4.185 | 1.733 | 1.192 | 0.665 | 0.350 |
| 1.70V | 25.69 | 16.94 | 13.02 | 7.508 | 4.261 | 1.750 | 1.200 | 0.668 | 0.352 |
| 1.65V | 26.88 | 17.34 | 13.32 | 7.619 | 4.319 | 1.767 | 1.208 | 0.670 | 0.353 |
| 1.60V | 27.71 | 17.68 | 13.58 | 7.695 | 4.361 | 1.775 | 1.208 | 0.670 | 0.353 |

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