



VRLA Rechargeable Battery

BP10-6 (BP10-6FR)



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
- Electronic Toy-Cars
- Emergency Lights
- Fans
- Rechargeable Flashlights



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 6 V |
| Nominal Capacity | 10.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 1900g(4.19lbs.) |
| Terminals | T1 (Faston Tab 187) T2 is optional |
| Internal Resistance | ≤10m Ω (Fully Charged) |
| Max. Discharge Current | 150 A (5 sec.) |
| Max. Charge Current | 3.0 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 |
|---|------------------|---|
| <ul style="list-style-type: none"> ■ Length 151±1.5 (5.94±0.06) ■ Width 50±1.5 (1.97±0.06) ■ Container Height 94±1.5 (3.70±0.06) ■ Total Height 100±2.0 (3.94±0.08) | | <ul style="list-style-type: none"> ● Terminal T1 3.2(0.13) 4.75(0.19) 6.35(0.25) 0.8(0.03) ● Terminal T2 3.4(0.13) 7.95(0.31) |

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 | 3.02 |
| 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 | 32.57 | 23.43 | 18.55 | 10.75 | 6.12 | 2.43 | 1.675 | 0.936 | 0.493 |
| 1.75V | 38.39 | 25.38 | 19.40 | 11.16 | 6.30 | 2.48 | 1.700 | 0.950 | 0.500 |
| 1.70V | 40.79 | 26.30 | 20.00 | 11.42 | 6.41 | 2.50 | 1.709 | 0.955 | 0.503 |
| 1.65V | 42.62 | 26.93 | 20.46 | 11.58 | 6.49 | 2.52 | 1.715 | 0.958 | 0.504 |
| 1.60V | 44.04 | 27.46 | 20.87 | 11.69 | 6.55 | 2.53 | 1.720 | 0.958 | 0.504 |

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