



VRLA Rechargeable Battery

BP8-6



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



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 6 V |
| Nominal Capacity | 8.0Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 1350g(2.98lbs.) |
| Terminals | T1 (Faston Tab 187) T2 is optional |
| Internal Resistance | ≤12.5mΩ (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 | Standard: ABS(UL 94-HB) BP8-6 Optional: Flame Retardant ABS(UL 94-V0) BP8-6FR |

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

| DIMENSION(mm/inch) | OUTER DIMENSIONS | TERMINAL TYPE |
|--|------------------|---|
| <p>■ Length 151±1.5 (5.94±0.06)</p> <p>■ Width 34±1.5 (1.34±0.06)</p> <p>■ Container Height 94±1.5 (3.70±0.06)</p> <p>■ Total Height 100±2.0 (3.94±0.08)</p> | | <p>● Terminal T1</p> <p>● Terminal T2</p> |

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 | 144.6 | 106.5 | 85.3 | 50.8 | 29.1 | 11.66 | 8.04 | 4.49 | 2.36 |
| 1.75V | 167.4 | 115.3 | 89.2 | 52.7 | 30.0 | 11.89 | 8.16 | 4.56 | 2.40 |
| 1.70V | 177.9 | 119.5 | 92.0 | 53.9 | 30.5 | 12.00 | 8.20 | 4.58 | 2.41 |
| 1.65V | 185.8 | 122.4 | 94.1 | 54.7 | 30.9 | 12.08 | 8.23 | 4.60 | 2.42 |
| 1.60V | 192.0 | 124.8 | 96.0 | 55.2 | 31.2 | 12.16 | 8.26 | 4.60 | 2.42 |

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 | 26.06 | 18.74 | 14.84 | 8.60 | 4.89 | 1.94 | 1.340 | 0.749 | 0.394 |
| 1.75V | 30.71 | 20.31 | 15.52 | 8.93 | 5.04 | 1.98 | 1.360 | 0.760 | 0.400 |
| 1.70V | 32.63 | 21.04 | 16.00 | 9.14 | 5.13 | 2.00 | 1.367 | 0.764 | 0.402 |
| 1.65V | 34.10 | 21.54 | 16.37 | 9.26 | 5.19 | 2.01 | 1.372 | 0.766 | 0.403 |
| 1.60V | 35.23 | 21.97 | 16.70 | 9.36 | 5.24 | 2.03 | 1.376 | 0.766 | 0.403 |

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