

VRLA Rechargeable Battery

HR15-12 (HR15-12FR)



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)
- The battery is designed for high rate usage
- The power density at 5 min~15min discharging rate is 30% higher than BP series

APPLICATION

- UPS
- Fishing Lights
- Power Packs



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 13Ah @ 10 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 4200g(9.25lbs.) |
| Terminals | T2 (Faston Tab 250) T1 is optional |
| Internal Resistance | ≤12mΩ (Fully Charged) |
| Max. Discharge Current | 180 A (5 sec.) |
| Max. Charge Current | 3.9 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) |

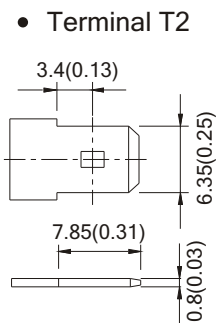
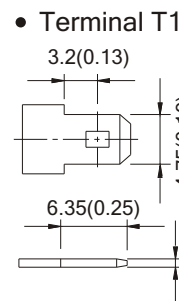
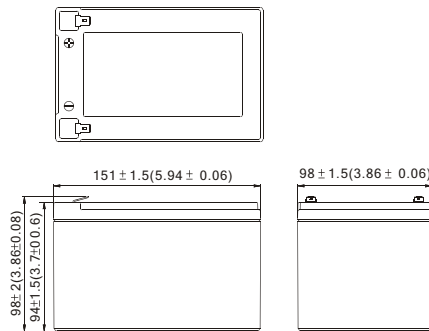
| | |
|--|--|
| ISO 9001 | |
| ISO14001 | |
| UL | |
| CE | |
| <ul style="list-style-type: none"> • IEC61056 • JIS C 8702 • GB/T 19639 | |

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
151±1.5 (5.94±0.06)
- **Width**
98±1.5 (3.86±0.06)
- **Container Height**
94±1.5 (3.70±0.06)
- **Total Height**
98±2.0 (3.86±0.08)



Constant power discharge characteristics at 25 °C/77 °F

Unit: W

| Discharge Time F.V. (V/cell) | 5 Min | 10 Min | 15 Min | 20 Min | 30 Min | 40 Min | 50 Min | 60 Min | 120 Min |
|------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|---------|
| 1.80V | 615.0 | 420.0 | 304.1 | 259.5 | 197.3 | 150.0 | 125.3 | 110.3 | 60.8 |
| 1.70V | 735.0 | 468.8 | 330.8 | 274.9 | 205.5 | 155.6 | 129.4 | 112.9 | 62.0 |
| 1.60V | 787.5 | 493.1 | 345.8 | 285.0 | 210.0 | 159.4 | 132.0 | 114.8 | 63.0 |
| 1.50V | 810.0 | 502.5 | 353.3 | 289.5 | 212.6 | 161.3 | 133.5 | 115.9 | 63.3 |
| 1.40V | 825.0 | 509.3 | 357.4 | 292.1 | 214.1 | 162.4 | 134.6 | 116.6 | 63.5 |
| 1.30V | 832.5 | 513.8 | 360.0 | 294.0 | 215.3 | 163.1 | 135.4 | 117.0 | 63.7 |

Constant current discharge characteristics at 25 °C/77 °F

Unit: A

| Discharge Time F.V. (V/cell) | 5 Min | 10 Min | 15 Min | 20 Min | 30 Min | 40 Min | 50 Min | 60 Min | 120 Min |
|------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|---------|
| 1.80V | 54.91 | 36.84 | 26.31 | 22.26 | 16.72 | 12.62 | 10.49 | 9.19 | 5.07 |
| 1.70V | 66.82 | 41.12 | 28.62 | 23.58 | 17.42 | 13.09 | 10.83 | 9.41 | 5.17 |
| 1.60V | 71.59 | 43.25 | 29.91 | 24.44 | 17.80 | 13.41 | 11.05 | 9.57 | 5.25 |
| 1.50V | 73.64 | 44.08 | 30.56 | 24.83 | 18.02 | 13.57 | 11.17 | 9.66 | 5.28 |
| 1.40V | 75.00 | 44.68 | 30.92 | 25.05 | 18.14 | 13.66 | 11.26 | 9.72 | 5.29 |
| 1.30V | 75.68 | 45.07 | 31.14 | 25.21 | 18.25 | 13.72 | 11.33 | 9.75 | 5.31 |

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