

## VRLA Rechargeable Battery

# HR15-12



Measures

Technology

Values

Innovation

### FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed for high rate usage
- Absorbent Glass Mat technology for efficient gas recombination
- The power density at 5 min~15min discharging rate is 30% higher than BP series
- Service Life — 5-7 Years.  
According to Eurobat (20 °C) — General Purpose

### APPLICATIONS

- 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         | $\leq 12m\Omega$ (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)<br>Discharge -20°C~50°C(-4°F~122°F)<br>Storage. -20°C~40°C(-4°F~104°F) |
| Container Material          | Standard: ABS( UL94 HB) HR15-12<br>Optional: Flame Retardant ABS(UL94 V-0) HR15-12FR               |

**UL**  
MH19884

**CE**  
C4M20310-2474-E-16

- 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

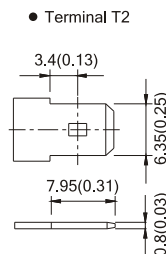
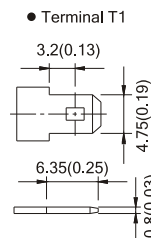
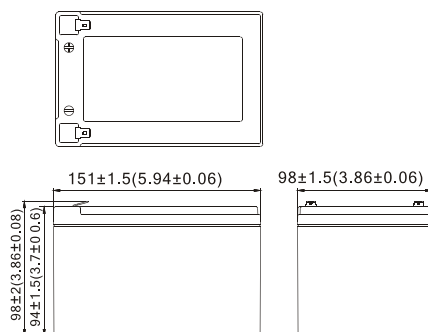
98±1.5 (3.86±0.06)

#### 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

| F.V.<br>(V/cell) | Discharge<br>Time | 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

| F.V.<br>(V/cell) | Discharge<br>Time | 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.