

VRLA Rechargeable Battery

HR75-12 (HR75-12FR)



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
- Wheelchairs
- Golf-Carts



SPECIFICATIONS

| | |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| Nominal Voltage | 12 V |
| Nominal Capacity | 73Ah @ 10 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 24.75Kg(54.57lbs.) |
| Terminals | B5 (Fitting M6 bolt & nut) I2 is optional |
| Internal Resistance | ≤4mΩ (Fully Charged) |
| Max. Discharge Current | 650 A (5 sec.) |
| Max. Charge Current | 21.9 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) |

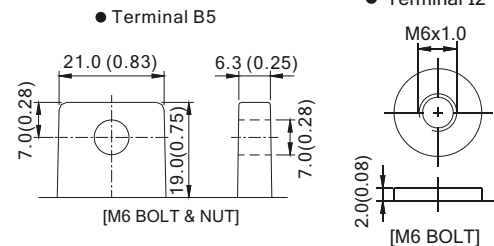
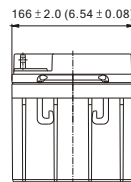
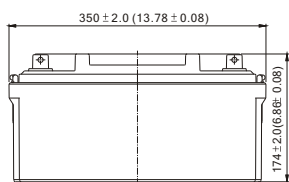
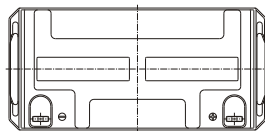
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|----------------------------------------------------------------------------------------------------------|--|
| ISO 9001 | |
| ISO14001 | |
| UL | |
| CE | |
| <ul style="list-style-type: none"> • IEC61056 • JIS C 8702 • GB/T 19639 | |

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
350±2.0 (13.78±0.08)
- **Width**
166±2.0 (6.54±0.08)
- **Container Height**
174±2.0 (6.85±0.08)
- **Total Height**
174±2.0 (6.85±0.08)



Constant power discharge characteristics at 25 °C/77 °F Unit: W

| F.V. (V/cell) \ Discharge Time | 10 Min | 15 Min | 20 Min | 30 Min | 40 Min | 50 Min | 60 Min | 120 Min |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|---------|
| 1.80V | 2099.9 | 1520.7 | 1297.8 | 986.3 | 750.0 | 625.6 | 551.3 | 303.8 |
| 1.70V | 2344.4 | 1647.3 | 1373.0 | 1027.5 | 778.5 | 646.9 | 563.4 | 310.1 |
| 1.60V | 2465.8 | 1728.8 | 1425.1 | 1049.6 | 796.5 | 660.0 | 573.7 | 315.0 |
| 1.50V | 2512.6 | 1766.3 | 1447.5 | 1063.2 | 806.3 | 667.5 | 579.4 | 316.8 |
| 1.40V | 2547.9 | 1786.0 | 1460.4 | 1070.9 | 811.5 | 672.2 | 585.0 | 317.7 |
| 1.30V | 2565.0 | 1799.9 | 1470.0 | 1076.3 | 815.7 | 676.7 | 585.0 | 318.6 |

Constant current discharge characteristics at 25 °C/77 °F Unit: A

| F.V. (V/cell) \ Discharge Time | 10 Min | 15 Min | 20 Min | 30 Min | 40 Min | 50 Min | 60 Min | 120 Min |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|---------|
| 1.80V | 184.20 | 131.55 | 111.30 | 83.59 | 63.08 | 52.35 | 45.94 | 25.31 |
| 1.70V | 205.65 | 142.50 | 117.75 | 87.08 | 65.48 | 54.14 | 46.95 | 25.84 |
| 1.60V | 216.30 | 149.55 | 122.22 | 88.95 | 66.99 | 55.23 | 47.81 | 26.25 |
| 1.50V | 220.40 | 152.79 | 124.14 | 90.10 | 67.81 | 55.86 | 48.29 | 26.40 |
| 1.40V | 223.50 | 154.50 | 125.25 | 90.75 | 68.25 | 56.25 | 48.75 | 26.48 |
| 1.30V | 225.00 | 155.70 | 126.07 | 91.21 | 68.60 | 56.63 | 48.75 | 26.55 |

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