



VRLA Rechargeable Battery

EP65-12 (EP65-12FR)



FEATURES

- Absorbent Glass Mat technology for efficient gas recombination
- 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 heavy duty cyclic application
- Low self-discharge rate, lower than 3% capacity loss per month

APPLICATION

- UPS
- Golf-Carts
- Lawn Mowers



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 65Ah @ 20 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 22.8Kg(50.30lbs.) |
| Terminals | B5 (Fitting M6 bolt & nut) I2 is optional |
| Internal Resistance | ≤6mΩ (Fully Charged) |
| Max. Discharge Current | 650 A (5 sec.) |
| Max. Charge Current | 19.5 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) |

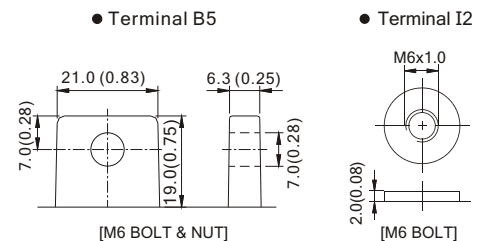
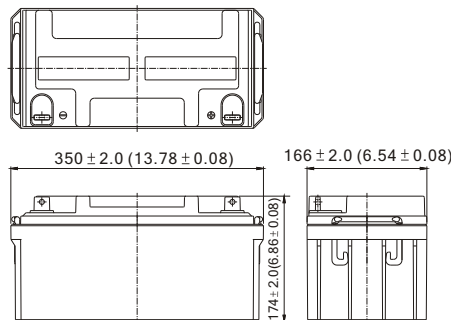
| | |
|---|------------------------|
| ISO 9001 | |
| ISO14001 | |
| UL | MH19884 |
| CE | C4M20310-2474-E-16 |
| <ul style="list-style-type: none"> ● IEC 61056-1 ● JIS C 8702-1 ● GB/T 19639.1 | |

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)



Terminal Hardware Initial Torque: B5/ I2(5.5 Nm ± 5%)

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

Unit: W

| F.V. (V/cell) | Discharge Time | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|------------------|----------------|--------|--------|--------|-------|-------|-------|-------|-------|
| 1.80V | | 1568 | 1298 | 808 | 455.0 | 192.0 | 132.4 | 73.90 | 39.00 |
| 1.75V | | 1700 | 1362 | 842 | 469.0 | 195.6 | 134.9 | 74.70 | 39.60 |
| 1.70V | | 1769 | 1408 | 862 | 478.0 | 198.3 | 136.0 | 75.20 | 39.90 |
| 1.65V | | 1833 | 1442 | 878 | 484.0 | 199.2 | 136.5 | 75.50 | 40.20 |
| 1.60V | | 1878 | 1465 | 886 | 488.0 | 200.2 | 136.5 | 76.00 | 40.50 |

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

Unit: A

| F.V. (V/cell) | Discharge Time | 10 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 10 Hr | 20 Hr |
|------------------|----------------|--------|--------|--------|-------|-------|-------|-------|-------|
| 1.80V | | 141.7 | 113.8 | 68.4 | 40.70 | 16.39 | 11.25 | 6.26 | 3.30 |
| 1.75V | | 155.7 | 119.4 | 71.0 | 42.30 | 16.60 | 11.36 | 6.35 | 3.37 |
| 1.70V | | 162.2 | 123.2 | 72.7 | 43.10 | 16.72 | 11.53 | 6.40 | 3.38 |
| 1.65V | | 166.7 | 126.7 | 73.6 | 43.70 | 16.78 | 11.57 | 6.42 | 3.39 |
| 1.60V | | 169.2 | 129.1 | 74.5 | 44.20 | 16.98 | 11.63 | 6.42 | 3.41 |

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