

VRLA Rechargeable Battery

MPL100-12 Handle Type



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 with very lower resistance and exceeding high power performance.
- Carry handles for easy installation
- Absorbent Glass Mat technology for efficient gas recombination

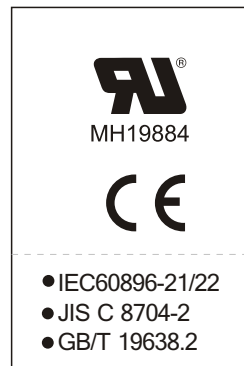
APPLICATION

- UPS
- Telecom
- Cable TV
- Power station
- Golf-Carts
- Marine



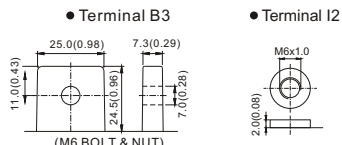
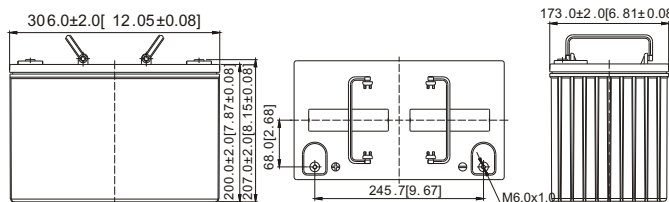
SPECIFICATIONS

| | |
|-----------------------------|---|
| Nominal Voltage | 12V |
| Nominal Capacity | 400W @15 min-rate to 1.60V per cell @ 25°C(77°F) |
| Approx. Weight | 30.2Kg(66.6lbs.) |
| Terminals | I2, B3 (Fitting M6 bolt & nut) |
| Max. Charge Current | 29.5A |
| Short Circuit Current | 2450 A |
| Operating Temperature Range | Charge 0°C~50°C(32°F~122°F) Discharge -20°C~60°C(-4°F~140°F) Storage -20°C~50°C(-4°F~122°F) |
| Internal Resistance | ≤3.5m Ω(Fully Charged) |
| Container Material | Standard: ABS(UL94 HB) MPL100-12 Optional: Flame Retardant ABS (UL94 V-0) MPL100-12FR |



DIMENSION(mm/inch) OUTER DIMENSIONS TERMINAL TYPE

- Length 306±2.0(12.05±0.08)
- Width 173±2.0(6.81±0.08)
- Container Height 200±2.0(7.87±0.08)
- Total Height
B3: 230±2.0(9.06±0.08)
I2: 207±2.0(8.15±0.08)



Terminal Hardware Initial Torque: B3,I2(5.5Nm±5%)

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

| Discharge Time F.V. | 5 Min | 10 Min | 15 Min | 20 Min | 25 Min | 30 Min | 40 Min | 50 Min | 60 Min | 90 Min |
|------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.8V | 3463 | 2545 | 2114 | 1768 | 1532 | 1345 | 1083 | 909 | 788 | 560 |
| 10.5V | 3882 | 2732 | 2236 | 1836 | 1578 | 1380 | 1105 | 928 | 800 | 569 |
| 10.2V | 4140 | 2844 | 2313 | 1884 | 1609 | 1402 | 1121 | 939 | 809 | 575 |
| 9.9V | 4308 | 2932 | 2365 | 1920 | 1634 | 1418 | 1134 | 949 | 817 | 580 |
| 9.6V | 4436 | 2989 | 2400 | 1945 | 1654 | 1431 | 1145 | 957 | 823 | 583 |

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

| Discharge Time F.V. | 5 Min | 10 Min | 15 Min | 20 Min | 25 Min | 30 Min | 40 Min | 50 Min | 60 Min | 90 Min |
|------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.8V | 322 | 223 | 183 | 151 | 129 | 112 | 90 | 76 | 66.2 | 47.0 |
| 10.5V | 353 | 241 | 193 | 158 | 134 | 117 | 92 | 78 | 67.2 | 47.8 |
| 10.2V | 377 | 251 | 200 | 162 | 138 | 119 | 94 | 79 | 68.0 | 48.3 |
| 9.9V | 391 | 259 | 206 | 166 | 140 | 121 | 96 | 80 | 68.7 | 48.8 |
| 9.6V | 403 | 263 | 209 | 168 | 142 | 122 | 97 | 80 | 69.1 | 49.1 |

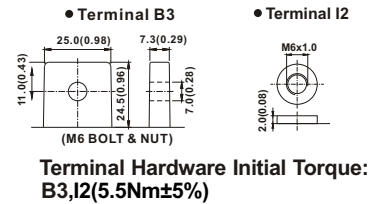
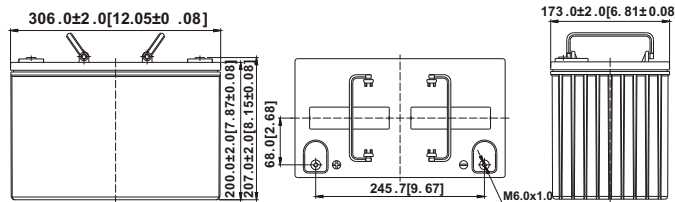
All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
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- **Width**
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- **Container Height**
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- **Total Height**
B3: 230±2.0(9.06±0.08)
I2: 207±2.0(8.15±0.08)



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