



VRLA Rechargeable Battery

MPL55-12 Standard Type



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

APPLICATION

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



SPECIFICATIONS

| | |
|-----------------------------|--|
| Nominal Voltage | 12 V |
| Nominal Capacity | 53Ah @ 10 hour rate F.V.(1.75V/cell) |
| Approx. Weight | 17.8Kg(39.2lbs.) |
| Terminals | B5 (Fitting M6 bolt & nut) I2 is optional |
| Internal Resistance | ≤5mΩ (Fully Charged) |
| Max. Discharge Current | 550 A (5 sec.) |
| Max. Charge Current | 15.9 A |
| Cold Cranking Amp @ -18°C | 480 A |
| Short Circuit Current | 1600 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) |
| Container Material | PP: UL 94-HB |

| | |
|--|--|
| ISO 9001 | |
| ISO14001 | |
| UL | |
| CE | |
| <ul style="list-style-type: none"> ● IEC61056-1 ● JIS C 8702-1 ● GB/T 19639.1 | |

| DIMENSION(mm/inch) | OUTER DIMENSIONS | TERMINAL TYPE |
|---|------------------|---|
| <ul style="list-style-type: none"> ■ Length 228±2.0 (8.98±0.08) ■ Width 139±2.0 (5.47±0.08) ■ Container Height 200±2.0 (7.87±0.08) ■ Total Height B5:224±2.0 (8.82±0.08) I2:207±2.0 (8.15±0.08) | | <ul style="list-style-type: none"> ● Terminal I2 ● Terminal B5 <p>Terminal Hardware Initial Torque: B5,I2(5.5Nm±5%)</p> |

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

| Discharge Time | 5 Min | 10 Min | 15 Min | 20 Min | 25 Min | 30 Min | 40 Min | 50 Min | 60 Min | 90 Min |
|----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1.80V | 1905 | 1400 | 1163 | 972 | 843 | 740 | 596 | 500 | 433 | 308 |
| 1.75V | 2135 | 1501 | 1230 | 1009 | 868 | 759 | 608 | 510 | 440 | 313 |
| 1.70V | 2277 | 1563 | 1270 | 1035 | 884 | 771 | 616 | 516 | 445 | 316 |
| 1.65V | 2370 | 1612 | 1300 | 1055 | 898 | 780 | 623 | 521 | 449 | 319 |
| 1.60V | 2440 | 1644 | 1320 | 1070 | 910 | 787 | 630 | 526 | 453 | 321 |

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

| Discharge Time | 5 Min | 10 Min | 15 Min | 20 Min | 25 Min | 30 Min | 40 Min | 50 Min | 60 Min | 90 Min |
|----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1.80V | 176 | 123 | 101 | 83 | 71 | 62 | 50 | 42 | 36.4 | 25.7 |
| 1.75V | 193 | 132 | 106 | 87 | 74 | 64 | 51 | 43 | 37.0 | 26.2 |
| 1.70V | 206 | 138 | 110 | 89 | 76 | 65 | 52 | 43 | 37.4 | 26.5 |
| 1.65V | 215 | 142 | 113 | 91 | 77 | 66 | 52 | 44 | 37.7 | 26.8 |
| 1.60V | 222 | 145 | 115 | 92 | 78 | 67 | 53 | 44 | 38.0 | 27.0 |

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