| Lithium Iron Phosphate (LiFePO4) Battery | | |
|---|---------------------------|--|
| MBL12-315CP | | 12.8V315AH 4032Wh |
| Features of LiFePO4 Battery | | |
| Longer Cycle Life LiFePO4 batteries have a cycle live five times higher than that of SLA batteries High Power & Light weight LiFePO4 batteries have twice the power of SLA batteries, while half the weight, helpful for transport and installation Intelligent management control Intelligent BMS system covered by LFP batteries to ensure that batteries work on safety and perfect condition Lower Self-discharge rate Lower Self-discharge rate to guarantee LFP batteries be stored more longer than SLA batteries | | And a |
| Physical Dimension | | Applications |
| Physical Dimension | | Caravan RV camping |
| 22000 22000 | | UPS (replacement of SLA batteries) Marine, golf cart Solar, wind system PV, solar light |
| | Chemistry | LiFePO4 |
| Electrical Characteristics | Nominal Voltage | 12.8V |
| | Nominal Capacity | 315Ah (C5,25°C) |
| | Energy | 4032Wh |
| | Internal Resistance | ≤5 mΩ |
| | Cycle Life | >3500 cycles @1C 70%DOD |
| | Months Self Discharge | <3% |
| | Efficiency of Charge | 100% @0.5C |
| | Efficiency of Discharge | 96-99% @1C |
| Standard Charge | Charge Voltage | 14.6±0.2V |
| | Charge Mode | 0.2C to 14.6V, then 14.6V charge current to 0.02C (CC/CV) |
| | Charger Current | 75A 1504 |
| | Charge Cut-off Voltage | 130A 14 6V+0 2V |
| | Rated Discharge Current | 75Δ |
| Standard Discharge | Max Discharge Current | 150A |
| | Max. Pulse Current | 450A(<3s) |
| | Discharge Cut-off Voltage | 10V |
| | Charge Temperature | 0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity |
| | Discharge Temperature | -20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity |
| | Storage Temperature | 0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity |
| | Water Dust Resistance | IP65 |
| Mechanical | BMS | 4S/4P / Pre-heat |
| | Communication function | CAN BUS/NMEA 2000 |
| | Plastic Case | ABS |
| | Dimensions (in./mm.) | 520x268x227 mm |
| | Weight (lbs./kg.) | 30kg(66.14lbs) |
| | Terminal | M8 |

