Lithium Iron Phosphate (LiFePO4) Battery 12.8V30AH MBL12-30 384Wh **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 **Physical Dimension Applications** Caravan, RV, camping • UPS (replacement of SLA batteries) Marine, golf cart Solar, wind system • PV, solar light Chemistry LiFePO4 12.8V Nominal Voltage Nominal Capacity 30Ah (C5,25°C) 384Wh Energy Electrical Internal Resistance ≤10 mΩ Characteristics Cycle Life >3500 cycles @1C 70%DOD Months Self Discharge <3% Efficiency of Charge 100% @0.5C Efficiency of Discharge 96-99% @1C Charge Voltage 14.6±0.2V Charge Mode 0.2C to 14.6V, then 14.6V charge current to 0.02C(CC/CV) Standard Charger Current 15A Charge Max. Charge Current 30A Charge Cut-off Voltage 14.6V±0.2V Rated Discharge Current 15A Max Discharge Current 30A Max. Pulse Current 90A(<3s) Standard Discharge Cut-off Voltage 10V 0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity Charge Temperature Discharge -20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity Discharge Temperature 0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity Storage Temperature Water Dust Resistance IP65 4S/4P BMS Plastic Case ABS Mechanical Dimensions (in./mm.) 165x175x125 mm Weight (lbs./kg.) 3kg(6.61lbs)

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