



# 12v 80ah lifepo4 battery

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**ABOUT THE PRODUCT:** Ultramax 12v 80Ah SMART LITHIUM PHOSPHATE LiFePO<sub>4</sub> Battery With Bluetooth Communication Function for Leisure, Solar, Wind and Off-grid 24 volt etc. These batteries are also excellent for use in motorcycles, snowmobiles, jet skis, motorhomes, leisure, marine, caravan, mobility scooters, toy cars, electric bikes, etc., because they do not need maintenance during the off-season. Ultra-light, high-performance battery that is 7% lighter and lasts 10X longer than a standard battery.

Lithium batteries offer:- High energy density: more energy with less weight;- High charge currents (shortens the charge period);- High discharge currents (enabling for example electrical cooking on a small battery bank);- Long battery life- Low self-discharge of just 3% per month- High efficiency between charging and discharging (very little energy loss due to heat development);- And higher continuous power available is comparatively more environmentally friendly with no heavy metals or toxic materials used.

Please Note: This battery does not come with connecting leads. It is a simple operation to take the leads from your existing battery and fit them to your new battery, although we can supply the leads if required.

**FUNCTIONALITY:** Monitor one or more batteries" working status on your smartphone through our Android App (UMXLI BMS) or IOS app (UMXLI Battery). You can monitor:- Battery Pack Voltage- Battery Pack Draw Current- Battery Charge State- Battery Discharge State- Battery Cycles- Battery Temperature- Designed Capacity- Remaining Capacity- Advanced Cell Voltage Display

**BATTERY MANAGEMENT SYSTEM (BMS):** The Ultramax lithium battery is fully protected by a sophisticated and specially designed lithium battery management system (BMS) that constantly monitors every cell to ensure the battery is always optimized for the best performance and life.

**BATTERY STORAGE:** The battery can be used in any position as it is non-spillable. There is no equivalent to sulfation and the batteries can be stored in any state of charge without worry of degradation. We recommend 50-100% charge before storage. Read more about battery maintenance and storage [here](#)

Please note: Bluetooth functionality can drain your battery, therefore your battery needs to be charged regularly and the terminal voltage must not drop below 8V. We recommend charging when on standby once every month. Your battery can be damaged irrevocably if not charged.



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