

ULTRASONIC

E N E R G Y

HIGH-PERFORMANCE LITHIUM BATTERIES
FOR ENERGY STORAGE & MOBILITY



ABOUT ULTRASONIC :

POWERING PRECISION , ENGINEERED FOR PERFORMANCE.

Ultrasonic Energy delivers next-generation lithium iron phosphate (LiFePO_4) battery technology designed to meet the highest standards of modern energy systems. Our batteries are built to outperform in mission-critical environments from solar installations and electric mobility to robotics and emergency systems.

With a focus on long service life, stable performance, and uncompromising safety, Ultrasonic batteries are ideal for both off-grid and industrial applications. Every unit is engineered using premium-grade materials, certified to global safety standards, and protected in IP65-rated enclosures.



WHY CHOOSE ULTRASONIC ?

Engineered Durability: Over 2,000 charge/discharge cycles with stable performance in harsh environments

Enhanced Safety: Built-in protection enabled by safe LiFePO_4 chemistry

Modular Scalability: Available in a wide range from 7Ah to 200Ah to suit diverse applications

Lightweight Design: Up to 60% lighter than traditional lead-acid batteries

Globally Certified: Compliant with UL, UN38.3, CE, RoHS, IEC62133, and IEC62619 standards



🔋 ULE12-07 – 12.8V 7AH LIFEPO₄ BATTERY

COMPACT, DURABLE, RELIABLE.

- Lightweight design: only 0.95 kg
- Up to 2000 cycles at 1.4A (70% capacity retention)
- IP65 waterproof & dustproof housing
- Safe LiFePO₄ chemistry with certified protection
- Ideal for: robotics, UPS systems, solar lighting

Tech Specs:

🔌 Voltage: 12.8V

🌡️ Temp Range: -20°C to 60°C

🔋 Capacity: 7Ah

📏 Size: 151 × 65 × 94 mm

⚡ Max Discharge: 10A

⚖️ Weight: 0.95 kg

🔌 Max Charge: 3.5A



ULE12-10 – 12.8V 10AH LIFEPO₄ BATTERY

SMART POWER, COMPACT STRENGTH

- Perfect fit for mobility & security devices
- Long lifespan: 2000+ cycles @ 2A
- Low internal resistance $\leq 35\text{m}\Omega$
- IP65-rated for dust & water protection
- Certified: UL1642, UN38.3, CE, RoHS, IEC62133/62619

Tech Specs:

🔌 Voltage: 12.8V

🌡️ Temp Range: -20°C to 60°C

🔋 Capacity: 10Ah

📏 Size: 151 × 65 × 94 mm

⚡ Max Discharge: 10A

⚖️ Weight: 1.26 kg

🔌 Max Charge: 5A



🔋 ULE12-12 – 12.8V 12AH LIFEPO₄ BATTERY

POWER YOU CAN RELY ON

- 153.6Wh for mid-range applications
- IP65-rated: rugged & waterproof
- Long lifespan: 2000+ cycles @ 2.4A
- Certified: UL1642, UN38.3, CE, RoHS, IEC62133/62619
- Lightweight: only 1.45 kg

Tech Specs:

🔌 Voltage: 12.8V

🌡️ Temp Range: -20°C to 60°C

🔋 Capacity: 12Ah

📏 Size: 151 × 98 × 95 mm

⚡ Max Discharge: 15A

⚖️ Weight: 1.45 kg

🔌 Max Charge: 6A



ULE12-84 – 12.8V 84AH LIFEPO₄ BATTERY

HIGH POWER, COMPACT DESIGN

- 1075Wh capacity in a space-saving form
- Supports continuous discharge up to 84A
- IP65-rated: water & dust resistant
- Certified: UL1642, UN38.3, CE, RoHS, IEC62133, IEC62619
- Perfect for golf carts, EVs, and mobile power systems

Tech Specs:

 Voltage: 12.8V

 Temp Range: -20°C to 60°C

 Capacity: 84Ah

 Size: 260 × 169 × 210 mm

 Max Discharge: 84A

 Weight: 10.3 kg

 Max Charge: 42A



🔋 ULE12-100 – 12.8V 100AH LIFEPO₄ BATTERY

POWER THAT LASTS. BUILT FOR DEMANDING SYSTEMS

- 1280Wh of energy for heavy-duty performance
- Withstands up to 2000+ cycles @ 20A
- IP65-rated: water & dust resistant
- Certified: UL1642, UN38.3, CE, RoHS, IEC62133, IEC62619
- Ideal for solar systems, robotics, and electric vehicles

Tech Specs:

🔌 Voltage: 12.8V

🌡️ Temp Range: -20°C to 60°C

🔋 Capacity: 100Ah

📏 Size: 330 × 172 × 172 mm

⚡ Max Discharge: 100A

⚖️ Weight: 12.8 kg

🔌 Max Charge: 50A



🔋 ULE12-200 – 12.8V 200AH LIFEPO₄ BATTERY

MASSIVE POWER. INDUSTRIAL STRENGTH

- Delivers 2560Wh for off-grid & high-demand setups
- Handles up to 200A continuous discharge
- Long cycle life: 2000+ @ 40A
- Rugged IP65-rated enclosure
- Certified: UL1642, UN38.3, CE, RoHS, IEC62133, IEC62619

Tech Specs:

🔌 Voltage: 12.8V

🔌 Max Charge: 100A

🔋 Capacity: 200Ah

🌡️ Temp Range: -20°C to 60°C

⚖️ Weight: ~25 kg

📏 Size: ~520 × 240 × 218 mm

⚡ Max Discharge: 200A



APPLICATIONS:



Electric Vehicles & Golf Carts



Solar & Wind Energy Systems



AGVs & Robotics



Emergency & Safety Lighting



UPS Backup Power



5 YEARS WARRANTY

High quality battery cells make LiFePO₄ battery to provides 2000 cycles @ 80% capacity and more than 10 years life time, 5 years warranty.

Advanced Battery Management System (BMS)

All Ultrasonic LiFePO₄ batteries feature a built-in BMS for intelligent, real-time protection and monitoring. This ensures optimal battery health and system performance in every application.

Key Protections Provided by BMS:

- Overcharge protection
- Over-discharge protection
- Overcurrent protection
- Short-circuit protection
- Overtemperature protection
- Cell balancing function



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