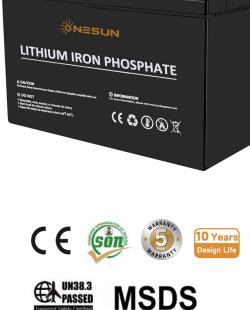
Lead Acid Replacement Battery

L-ECO-12V/24V





ADVANTAGES-FEATURES

L-ECO series is a perfect replacement for lead-acid batteries. Intelligent BMS provide multiple protection, safe and stable. With the characteristics of small size and light weight, but large capacity, easy to carry, providing great convenience for customers.

A-grade LiFePO4 Cells from Top 5 Brands

Cycle Life: ≥3000 Times @ 80% DoD

Compatible with Mainstream Inverters

SOC Estimation, Intelligent Balance, GPS Positioning, Sleep and Wake-up Function

Multiple Protection: OVP/ UVP/ OCP/SCP etc

Support Bluetooth Connection

A Maximum of 4 Units Can be Connection in Series

5 Years Warranty, 10 Years Lifespan

Anti-moisture, Mildew, and Salt spray Conformal Coating



Technical Data

Model	L-ECO- 12V50AH	L-ECO- 12V100AH	L-ECO- 12V200AH	L-ECO- 12V300AH	L-ECO- 12V400AH	L-ECO- 24V100AH	L-ECO- 24V200AH		
Cell Type	LiFePO4								
Rated Capacity	50AH	100AH	200AH	300AH	400AH	100AH	200AH		
Minimum Capacity	46AH	96AH	196AH	296AH	396AH	96AH	196AH		
Nominal Voltage	12.8V 25.6V						6V		
End-of-charge Voltage	14.6V						29.2V		
End-of-discharge Voltage	10.0V					20.0V			
Max. Charge Current	25A	50A / 100A	100A	100A/150A	100A/200A	50A	100A/200A		
Max. Continuous Discharge Current	50A	100A	100A/200A	100A/200A	100A/200A	100A	100A/200A		
Max. Instantaneous Discharge Current	100A	200A	200A	200A/300A	200A/300A	200A	200A/300A		
Overcurrent Protection	120A								
Cycle Life	≥3000 times, 25°C/77°F, 80%DOD								
Protection	Over-charge, Over-discharge, Over-current, Short-circuit, Over-voltage, Under-voltage, Over-high/low temperature								
Operating Temperature	Charging: 0°C~50°C ; Discharging: -15°C~60°C								
Storage Temperature	-5°C~35°C								
Storage Humidity	≤75% RH								
Standard Environmental Condition	Temperature: 25°C±2°C ; Humidity:45%~75%RH ; Atmospheric Pressure: 86KPA~106KPA								
Ingress Protection Rating	IP20								
Communication Interface	RS485 / BT (Optional)								
Shell Material	Plastic								
Shell Color	Black (Optional)								
Size	230*138*208 mm	330*175*215 mm	525*240*220 mm	525*270*220 mm	525*270*220 mm	525*240*220 mm	525*270*220 mm		
Weight	Approx. 6kg	Approx. 11.5kg	Approx. 21.5kg	Approx. 29.5kg	Approx. 38.5kg	Approx. 21.5kg	Approx. 38.5kg		
Certification	CE-EMC, UN38.3, MSDS, IEC, SONCAP								