

Lead Acid Replacement Battery










L-ECO-12V/24V



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.



ADVANTAGES-FEATURES

-  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	
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						