



Anhui Lvwo Energy Technology Co., Ltd.

PRODUCT BROCHURE

绿沃产品手册

Provide Flexible and Effective Energy
Solutions for Global Partners



ABOUT US

安徽绿沃循环能源科技有限公司

安徽绿沃循环能源科技有限公司是一家专业从事研发、生产、销售磷酸铁锂电池，PACK 组件和储能系统的高科技企业。绿沃自主设计并生产的电池包广泛用于家庭储能系统，工商业储能系统，铅改锂，UPS 电源，智能换电站，基站通讯备电，便携电源，太阳能路灯，储能系统等其他重要领域。绿沃全力支持电池组专属定制，精准满足客户的多样化能源需求。

Lwwo Energy Technology Co., Ltd is a high-tech enterprise specializing in the R&D, production, sales of LiFePO4 cells and PACK assembly and energy storage system. Battery Packs produced by Lwwo Energy are widely used in residential energy storage system, commercial and industrial energy storage system, lead-acid replacement, UPS power, intelligent battery swapping stations, communication backup power, portable power supply, solar street light, energy storage system and other essential fields. Our company fully supports the exclusive customization of battery packs for precisely meeting your diverse needs.


1600+


260km²


522+



绿沃能源产业园占地 400 余亩（超过 26 万平方米），产业链涵盖正极材料、负极材料、钢壳、盖帽、隔膜、磷酸铁锂电芯、磷酸铁锂电池 PACK、大数据中心、智能换电柜、BMS、软连接、线束、钣金件、五金，纸箱等，以及与新能源电池相关的运营平台和科研院所。

Lwwo Energy industrial park covers an area of more than 400 acres (over 260,000 square meters). The industry chain includes positive electrode materials, negative electrode materials, steel shells, caps, diaphragms LiFePO4 cells, PACKs, big data centers, charging and switching cabinets, BMS, soft connectors, wiring harnesses, sheet metal cases, as well as operation platforms and scientific research institutes associated with new energy batteries.



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Lvwo Energy Technology Co.,Ltd.

Lead Acid Replacement Battery

AGV / Forklift / Golf Cart / Electric Boat



FEATURE



Our 12V 100Ah battery is our flagship model, featuring our legendary LiFePO4 technology with a built-in smart BMS. It can deliver 2x the power, 1/2 the weight and 8x the lifespan compared to traditional sealed lead-acid batteries. 100Ah battery offers superior performance and long life. With 4000+ cycle life and maintenance-free. Up to 4 in series up to 48V, up to 4 in parallel up to 400Ah. We have both cylindrical and prismatic cells for customers to choose from, with optional Bluetooth, switches and displays. This battery performs well in deep cycles and can provide hours of reliable power. Perfect replacement for lead-acid batteries.



SPECIFICATION

Cell Type-Chemistry	LiFePO4 Cell
Nominal Voltage	12.8V
Rated Capacity	100Ah
Energy	1280Wh
Layout	4S2P
Cycle Life	6000 times
Operating Temperature	Charge -0°C ~ 55°C Discharge -20°C ~ 55°C
System Operating Voltage	10V ~ 14.6V
Capacity Efficiency	≥96%
Max. Continuous Charging Current	100A
Max. Continuous Discharging Current	100A
Communication Mode	Bluetooth/RS485/CAN
Dimension(L×W×H)	330x175x215mm 13.0 x 6.8x 8.5"
Weight	11.5kg(25.35bs)
Ingress Protection	IP65

SUITABLE FOR

- TROLLING MOTORS
- 12 VOLT ELECTRONICS
- BOATING & FISHING
- OFF GRID SPEAKERS
- BOATING/MARINE DEEP CYCLE
- EMERGENCY POWER
- REMOTE POWER
- OUTDOOR ADVENTURES
- RV/CARAVAN
- SOLAR ENERGY SYSTEM



Handle



Positive +






Negative -






12KG



12V Mini Series:

					
Model		Model		Model	
LFP12-07		LFP12-30		LFP12-50	
Specification		Specification		Specification	
Rated Voltage	12.8V	Rated Voltage	12.8V	Rated Voltage	12.8V
Rated capacity	7Ah	Rated capacity	30Ah	Rated capacity	50Ah
Total energy	89.6Wh	Total energy	384Wh	Total energy	640Wh
Series-parallel	4S2P	Series-parallel	4S5P	Series-parallel	4S1P
Weight	0.86KG	Weight	3.5KG	Weight	6.1KG
Dimension (L*W*H) ±2	151*65*94mm	Dimension (L*W*H) ±2	190*125*170mm	Dimension (L*W*H) ±2	195*166*170mm

12V Plus Series:

					
Model		Model		Model	
LFP12-150		LFP12-200		LFP12-300	
Specification		Specification		Specification	
Rated Voltage	12.8V	Rated Voltage	12.8V	Rated Voltage	12.8V
Rated capacity	150Ah	Rated capacity	200Ah	Rated capacity	300Ah
Total energy	1920Wh	Total energy	2560Wh	Total energy	3840Wh
Series-parallel	4S1P/4S25P	Series-parallel	4S2P/4S34P	Series-parallel	4S3P
Weight	14.5KG	Weight	22KG	Weight	30KG
Dimension (L*W*H) ±2	328*172*220mm	Dimension (L*W*H) ±2	522*240*218mm	Dimension (L*W*H) ±2	552*269*220mm

12V Slim Series:



Model

SLIM-LFP12-100

Specification

Rated Voltage	12.8V
Rated capacity	100Ah
Total energy	1280Wh
Series-parallel	4S1P
Weight	14KG
Dimension (L*W*H) ±2	395*110*287mm

Model

SLIM-LFP12-200

Specification

Rated Voltage	12.8V
Rated capacity	200Ah
Total energy	2560Wh
Series-parallel	4S2P
Weight	24KG
Dimension (L*W*H) ±2	546*287*110mm



One-Stop Solutions
Worldwide Collaboration
Become Our Partner and Unlock Endless Possibilities



Official Website
lwo-energy.com