



LEXRON Provides Safe and Efficient LFP Battery Solutions.

LXR series adopt best value LiFePO4 cells, with the BMS system independently designed by LEXRON. series and parallel use, is energy storage, marine and other fields. IP65 protection, support an ideal choice for outdoor, small

Features

- Bluetooth access to show functions like
- Lithium iron Phosphate Battery(LiFePO4)
- Eco-friendly
- Special protection plate
- Multiple safety protection
- Intelligent balancing function
- 20 Years Designed service life

Mechanical Specifications

Case Material	ABS
Cell Type-Chemistry	Prismatic LiFePO4
Terminal Type	M8
IP Grade	IP65

BMS Characteristics

Recommended Charge Current	100A
Maximum Charge Current	100A
Maximum Continuous Discharge Current	50A
Recommended Charge Voltage	13.8~14.2V
Max Charge Voltage	14.6V
Overcharge Protection Voltage	14.8~15.2V
Charge Mode	CC/CV
Discharge Cut-off Voltage	10.8V

Basic Performance

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Standard Discharge Time	100A@60min
Capacity	1.28KWh
IR	<= 15mΩ
Self Discharge	<=2%/Month
Cells	Square 100Ah
Cycle Life	3500 times(1C/1C)
Size (mm)	260*169*215
Weight (kg)	11.0

Charge Performance

Rated Charge Current	100A
Maximum Charge Current	100A
Rated Charge Voltage	13.8~14.2V
Charge Cut-off Voltage	> 14.8V(0.5~1.5S)
Reconnect Voltage	< 14.4V
Balancing Voltage	< 14V
System Series	NO

Discharge Performance

Rated Discharge Current	100A
Pulse Current(<=5S)	200A
Rated Discharge Cut-off Voltage	10.8V
Minimum Discharge Cut-off Voltage	>10V
Reconnect Voltage	>10.4V
Short Circuit Protection	200~600 μs
Short Circuit Current	Approx. 1200A

Temperature Performance

Discharge Temperature	-20~65°C
Charge Temperature	-5~65°C
Storage Temperature	-10~50°C
High Temperature Cut-off	65°C
Reconnect Temperature	45°C

Compliance

Certifications	CE/UN38.3/UL1973/IEC62619
Transport Appraisal	UN3480,CLASS 9

Size

