



LEXRON Provides Safe and Efficient LFP Battery Solutions.

LXR 51.2 series designed for different types of applications, such as small UPS, home energy storage, portable mobile power supply, which is the best choice of small capacity, long standby or cyclic use.

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	M6
IP Grade	IP43

BMS Characteristics

Recommended Charge Current	100A
Maximum Charge Current	100A
Maximum Continuous Discharge Current	100A
Recommended Charge Voltage	55.5~57.6V
Max Charge Voltage	58.4V
Overcharge Protection Voltage	58.8~59.9V
Charge Mode	CC/CV
Discharge Cut-off Voltage	43.2V

Basic Performance

Nominal Voltage	51.2V
Nominal Capacity	100Ah(0.5C@25°C)
Standard Discharge Time	100A@60min
Capacity	5.12KWh
IR	≤ 10mΩ
Self Discharge	≤ 2%/Month
Cells	Square 100Ah
Cycle Life	6000 times(%80DOD)
Size (mm)	442*420*130
Weight (kg)	42kg

Charge Performance

Rated Charge Current	100A
Maximum Charge Current	100A
Rated Charge Voltage	55.5~57.6V
Charge Cut-off Voltage	> 58.4V(0.5~1.5S)
Reconnect Voltage	< 58.4V
Balancing Voltage	> 54V
System Series	NO

Discharge Performance

Rated Discharge Current	50A
Rated Discharge Cut-off Voltage	43.2V
Minimum Discharge Cut-off Voltage	>40V
Reconnect Voltage	>38.5V
Short Circuit Protection	200~600 μs
Short Circuit Current	Approx. 2000A

Temperature Performance

Discharge Temperature	-20~65°C
Charge Temperature	-5~60°C
Storage Temperature	-5~60°C
High Temperature Cut-off	65°C
Reconnect Temperature	45°C

Compliance

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

Size

