LFPR-51B100L-V1

Residential ESS Battery Rack-mounted

Support capacity selection 5kWh / 10kWh / 15kWh / 20kWh...



Expansion Flexibility

5.12kWh modular design, support battery in parallel.



Easy Installation

Rack-mounted installation, easy to grab.



Safe & Reliable

Lithium Iron Phosphate(LFP) cell only. BMS built in.



Environment Adaptability

Wider temperature range: -10°C-55°C.IP52 protection class.



Perfect Compatibility

Compatible with both residential single & three phase inverters.



Long Lifespan

15-20 years designed lifespan, more than 6000 cycles (0.5C, 25°C).

51.2V 102Ah 5.22kWh

Rack Mounted





Product Parameter

LFPR-51B100L-V1



(MSDS) UN38.3

Model	LFPR-51B100L-V1
Nominal Capacity	5.22kWh
Nominal Voltage	51.2V
Charge Voltage	57.6V
Discharge Voltage Range	43.2-57.6V
Max. Charging Current	50A
Max. Discharging Current	70A
Battery Type	LiFePO4
Max. Output Power	3584W
DOD	90%
Modules Connection	1-8 in parallel
Communication	CAN.RS485
Cycle Life	≥6000@ 25°C, 0.5C
Storage Temperature	-20°C~+35°C
Working Temp Range	Charge: 0°C~+55°C
	Discharge: -10°C~+55°C
Net Weight	43.8kg/96.6lb
Gross Weight	46.1kg/101.6lb
Product Dimension (W*H*D)	520*150*474mm
Package Dimension (W*H*D)	600*255*525mm