

ESS-RACK-51B100L

Residential ESS Battery Rack-mounted

Support capacity selection 5kWh/10kWh /15kWh 120kWh...



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





ESS-RACK-51B100L

EMC UN38.3

Model	ESS-RACK-51B100L
Nomial Capacity	5.22kWh
Nomial Voltage	51.2V
Charge Voltage	57.6V
Discharge Voltage Range	43.2-57.6V
Max. Charging Current	50A
Battery Type	LiFePO4
Max. Discharging Current	70A
Max. Output Power	3584W
DOD	90%
Modules Connection	1-8 in parallel
Communication	CAN.RS485
Cycle Life	≥6000@25°C,0.5C
Storage emperature	-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