RX-LFP48100
19" Rack Mounted 3U Module | 5120Wh

RX-LFP48100-H
Self-heating | 5120Wh

460mm

482mm

133.5mm

482mm

Modular
Support up to 32 units in parallel, scale from 5 kWh to 160 kWh configuration without external controller

3 types of installation
Optional bracket kits for different installation senarios.

Inverter Protocol Choosing
Use DIP address to set the RS485 baud rate and inverter protocol choosing

Self-heating
Self-heating 48V server rack battery is designed for cold weather using!

The heater pads which draws power from the charger itself.

Intelligent BMS
It has protection functions including over-discharge, over-charge, over-current and BMS can balance the consistency of battery cells.

10 Years Warranty
We stand by our products and our customers. RUiXU 48V Server Rack battery come with a robust 10-year warranty.
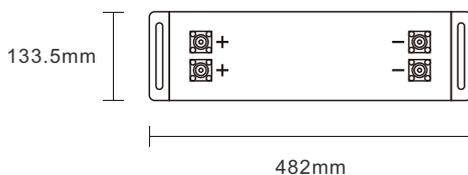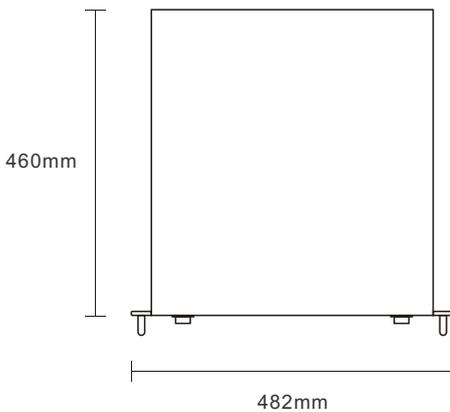
3U Model
3U (133mm) standard height design

Certification
UL9540A / CE / IEC 62619 / UL1973 / UN38.3

RUiXU battery packs are rack type residential lithium batteries,designed entirely for residential ESS applications,with our battery technology ,you can easily combine it with a mainstream inverter in different scenarios to save your electrical bill & back up your power

RUIXU

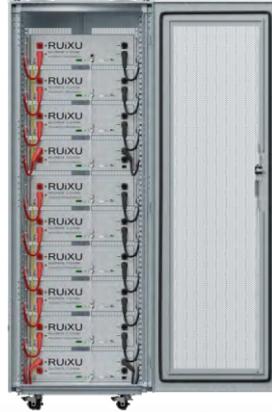| Parameters	RX-LFP48100	RX-LFP48100-H
Nominal voltage	51.2V	
Nominal capacity	100Ah	
Nominal energy	5.12kWh	
Usable energy-[1]	4.92kWh	
Operating voltage range	44.8V~56.0V	
Charge voltage	56V	
Float voltage	54.6V	
Recommended charge current	50A	
Max. charge current	70A	
Recommended discharge current	50A	
Max. discharge current	100A	
Communication	RS485 /CAN	
Peak discharge current	101~119A@5mins | 120~149A@15S	
IP rating	IP20	
Cycle life	≥6000 cycles @90%DOD	
Net weight	~47kg (103.6lb)	
Dimension(W*H*D)	482*133.5*460mm (18.9*5.2*18.1 inch)	
Cell type	Lithium-iron phosphate (LiFePO4)	
Design life	15 years	
Operation temperature	-10~50℃ (14~122℉)	
Storage temperature	-10~45℃ (14~113℉)	
Relative humidity	5%~90%No condensation	
Install altitude	≤4000m	
Install location	Indoor	
Installation	Wall mounted / Floor mounted / Stack / Rack mounted	
Certification	UL9540A / CE / IEC 62619 / UL1973 / UN38.3	
Heater Specifications	Voltage		56V
	Power Consumption		480W
	Function		sellf-heating starts ≤4l°F (5°C), ≥53.6°F(12°C) self-heating stops

1.Test conditions: 90% depth of Discharge (DOD), 0.2C rate charge & discharge at 25°C
2.System usable energy may vary different inverter brand
3.Derating occurs when the operating temperature from -10 to 10 and 40 to 50

Flexibility & Stackable
bracket rack

10 slot battery cabinet
5kWh-50kWh
Lithium Battery Kits

6 slot battery cabinet
5kWh-30kwh
Lithium Battery Kits