

RX-LFP48100

19" Rack Mounted 3U Module | 5120Wh



RX-LFP48100-H

Self-heating | Low-temp Cutoff Protection
5120Wh



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 scenarios.



Inverter Protocol Choosing

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



Low-Temp Cutoff Protection

self-heating
Low-temp Cutoff Protection



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.



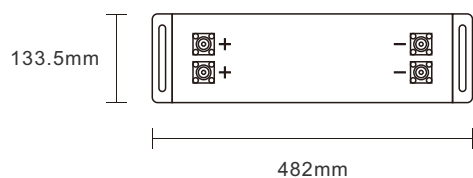
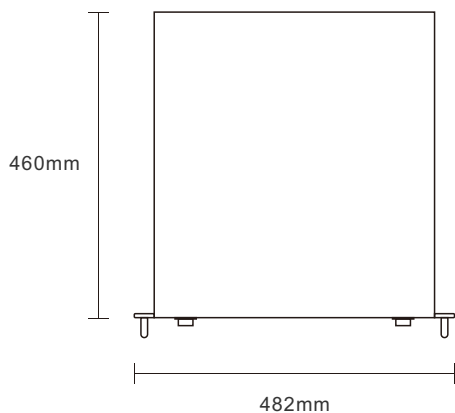
3U Model

3U (133mm) standard height design



Certification

CE/IEC62619 / 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 during grid outage or unavailable.

Parameters		RX-LFP48100	RX-LFP48100-H
Nominal voltage		51.2V	
Nominal capacity		100Ah	
Nominal energy		5.12kWh	
Usable energy		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		CE / IEC62619 / UI1973 / UN38.3	
Heater Specifications	Voltage		56V
	Power Consumption		250W
	Function		self-heating starts ≤4℉ (5℃), ≥53.6℉(5℃) self-heating stops

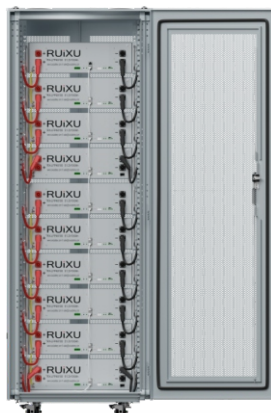
1.Test conditions:90% depth of Discharge (DOD) ,0.2C rate charge&discharge at 25

2.System usable energy may vary different inverter brand

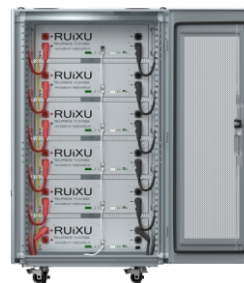
3.Derating occurs when the operating temperature from -10 to 10 and 40 to 50



Flexibility & Stackable
bracket rack



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



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

