

RUIXU



RUIXU 51.2V100A 5120Wh | 19" Rack Mounted 3U Module

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

Modular

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

4 types of installation

Optional bracket kits for different installation scenarios.

3U Model

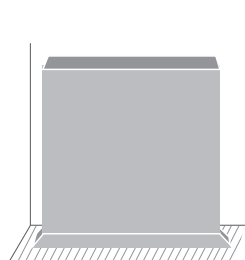
3U (133mm) standard height design

Inverter Protocol Choosing

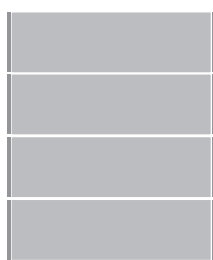
Use DIP address to set the RS485 baud rate and inverter protocol choosing

Certification

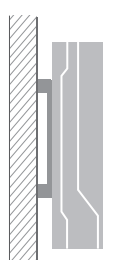
CE/ IEC62619 / UL1973 / UN38.3



Floor Mounted



Stack



Wall Mounted



Pre-Assembled Cabinet

Parameters

Items	RX-LFP48100
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°F)
Storage temperature	-10~45℃ (14~113°F)
Relative humidity	5%~90%, No condensation
Install altitude	≤4000m
Install location	Indoor
Installation	Wall mounted/ Floor mounted/ Stack/ Rack mounted
Certification	CE/ IEC62619 / UL1973 / UN38.3

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℃