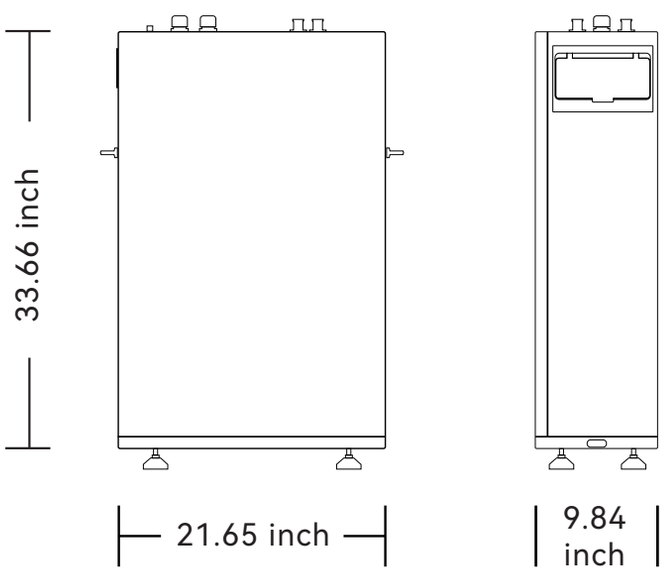
Lithi2-20

Battery Energy Storage
IP55 Outdoor | Bluetooth



The RUiXU Lithi2-20 is a 20kWh Lithium Iron Phosphate energy storage system with IP55 protection, Bluetooth monitoring, high energy density, and a more compact, cost-efficient design. Built with brand-new Grade A cells for safety and long cycle life, it delivers reliable performance in demanding environments. Scalable from 20kWh to 640kWh, it is an ideal solution for home and light commercial energy storage needs.



AEROSOL FIRE SUPPRESSION

Aerosol-based protection enhances safety for wiring and cells inside the battery pack.

EMERGENCY POWER OFF

The emergency stop function is triggered by shorting pins 3 and 6 of Link-IN.

ALL POLE PROTECTION

Dual protection through a fuse(negative terminal) and micro circuit breaker (positive terminal).

RUGGED BATTERY COATING

Automotive-grade electrophoretic coating provides excellent outdoor rust protection.

QUICK PLUGS

200 A continuous, tool-free design for long-term stability and thermal protection.

SELF-HEATING FEATURE

Enables reliable charging in cold temperatures.

BATTERY CARE & CHECK POINT

An inspection port on the side of the battery provides access to the BMS for easy maintenance.

BLUETOOTH OTA

The RUiXU app supports wireless OTA firmware updates in just 2 minutes.

INTELLIGENT BALANCING

150 mA passive balancing with smart algorithms ensures accurate post-charge cell balance.

FLEXIBLE MOUNT & MOBILITY

Flexible installation with multiple mounting and mobility options.

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ELECTRICAL SPECIFICATIONS	
Nominal voltage	51.2 V
Nominal capacity	392 Ah
Nominal energy	20 kWh
Operating voltage range	43.2 V~58.4 V
Charge voltage	56.8 V
Float voltage	54.6 V
Recommended charge current	140 A
Max. charge current	200 A
Recommended discharge current	140 A
Max. discharge current	200 A
Communication	RS485 / CAN / Bluetooth
Peak discharge current	240 A / 15 s, 360 A / 1 s
IP rating	IP55
Cycle Life @ 80% DoD	≥ 9500 cycles
Design life	15 years
Operation temperature	Charge: -25~55°C (-13~131°F) Discharge: -20~55°C (-4~131°F)
Storage temperature	Min: -20°C (-4°F) Max: 45°C (113°F)

MECHANICAL SPECIFICATIONS	
Dimension(W*H*D)	550(with wheels)*250*830mm 21.65(with wheels)*9.84*32.68inch
Net weight	145 kg (319.67 lbs)
Cell(s)	16S1P
Electrolyte	LiFePO4
Certifications	CE / CEC / SGIP / IEC 62619 / IEC 61000 / UN38.3 UL1973 / UL9540A / UL9540 pending
Warranty	10 Years

HEATER SPECIFICATIONS	
Voltage	56 V
Power Consumption	480 W
Function	self-heating starts ≤5°C(41°F), ≥12°C(53.6°F) self-heating stops