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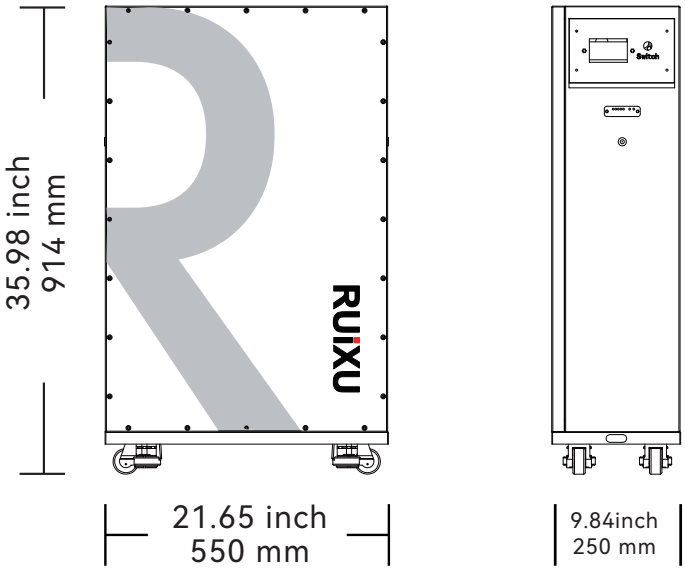
Lithi2-20

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.

DEALER PORTAL





IP55 LEVEL
Dust and water resistance meets the requirements for outdoor installation.

EMERGENCY POWER OFF
The emergency stop function is triggered through a dedicated EPO interface.

DUAL PROTECTION
Dual protection through the BMS and a micro circuit breaker on the positive terminal.

SELF-HEATING FEATURE
Ultra-wide operating temperature range, supporting operation as low as -22°F.

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

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

BATTERY CARE & CHECK POINT
Simple structure for easy assembly, disassembly, and BMS maintenance access.

FLEXIBLE MOUNT & MOBILITY
Flexible installation with multiple mounting and mobility options.

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

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

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ELECTRICAL SPECIFICATIONS	
Nominal voltage	51.2 V
Nominal capacity	392 Ah
Nominal energy	20 kWh
Operating voltage range	44.8 V~58.4 V
Charge voltage	56.5 V
Float voltage	54.6 V
Recommended charge current	150 A
Max. charge current	200 A
Recommended discharge current	150 A
Max. discharge current	200 A
Communication	RS485 / CAN / Bluetooth
Peak discharge current	240 A / 15 s, 300 A / 1 s
IP rating	IP55
Cycle Life @ 80% DoD	≥ 9500 cycles
Design life	15 years
Operation temperature	charge: -22°F～140°F (-30～60°C) Note: Heating turns on during charging when the temperature drops below 41°F. discharge: -22°F～140°F (-30°C～60°C)
Storage temperature	Min: 14°F (-10°C) Max: 113°F (45°C)

MECHANICAL SPECIFICATIONS	
Dimension(H × W × D)	914(with wheels)×550×250 mm 35.98(with wheels)×21.65×9.84 inch
Net weight	150 kg (330.69 lbs)
Cell(s)	16S1P
Electrolyte	LiFePO4
Certifications	CE / CEC / SGIP / IEC 62619 / IEC 61000 / UN38.3 / SATS 5398 UL1973 / UL9540A / UL9540 pending
Warranty	10 Years

HEATER SPECIFICATIONS	
Rate Voltage	56 V
Power Consumption	1000 W
Function	self-heating starts ≤41°F(5°C), ≥59°F(15°C) self-heating stops