

02

LITHI2-16

**BATTERY ENERGY STORAGE
IP65 OUTDOOR | SELF-HEATING**

The innovative Lithium Iron Phosphate battery from RUIXU is the Lithi2-16 16kWh energy storage system. It comes with grade A brand new cell, easy to move with 4 wheels. Ideal solution for your residential and commercial needs.

Expandable From 16kWh to 512kWh for both residential and commercial buildings.

CHAPTER 02





ON-BOARD LCD TOUCH SCREEN

Effortlessly manage battery settings on our 5" LCD touch screen.



ALL POLE PROTECTION

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



PERFLUOROHEXANE MODULE

Perfluorohexane module boosts fire safety for both lines and cells in our battery pack.



BATTERY CARE & CHECK POINT

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



QUICK PLUGS

250A continuous, tool-free, and designed for enduring stability and heat protection.



EMERGENCY POWER OFF

The emergency stop function is triggered by a short circuit in bits 3 and 6 of Link-IN.



FUMA WHEELS

Heavy-duty Fuma wheels facilitate movement of the battery without detracting from the elegant design.



SELF-HEATING FEATURE

Keeping your battery charged in cold temperatures.



INTELLIGENT BALANCING

150mA passive equalization, enhanced with smart algorithms, tracks charging data and ensures post-charge cell balance.



RUGGED BATTERY COATING

The electrophoretic coating process is used in the production of automotive body shells with excellent rust prevention for outdoor use.



ELECTRICAL SPECIFICATIONS

Nominal voltage	51.2V
Nominal capacity	314Ah
Nominal energy	16kWh
Operating voltage range	44.8V~56.0V
Charge voltage	56.8V
Float voltage	54.6V
Recommended charge current	140A
Max. charge current	200A
Recommended discharge current	100A
Max. discharge current	200A
Communication	RS485/CAN
Peak discharge current	240A/15S 360A/1S
IP rating	IP65
Cycle life@80% DOD	≥ 9500 cycles
Design life	15 years
Operation temperature	Min: -20°C (-4°F) Max: 50°C(122°F)
Storage temperature	Min: -20°C (-4°F) Max: 45°C(113°F)

MECHANICAL SPECIFICATIONS

Dimension(W*H*D)	924(with wheels)*543*250mm 36.3(with wheels)*21.3*9.8inch
Net weight	137kg
Cell(s)	16S1P
Electrolyte	LiFePO4
Certification	CE/IEC62619/UN38.3 UL1973/UL9540/4L9540A
Warranty	10Years

HEATER SPECIFICATIONS

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

on-board LCD
touch screen



RUIXU SOC indicator

Electro-coating Case

FUMA Wheels

Quick power
connectors

Communication
ports

Handles for
mobility/lifting

Circuit Breaker

Power on/off

BMS maintenance &
inspection port

Fixed buckle

ACCESSORIES



1/0 AWG CABLE FOR RX9MP BUSBAR
ORANGE+ BLACK



1/0 AWG CABLE
ORANGE+ BLACK



RX9MP BUSBAR FOR LITHI2-16
800A