

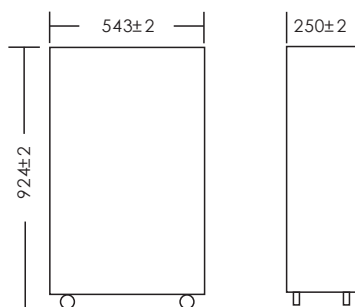
Lithi2-16

Battery Energy Storage

IP65 outdoor | Self-Heating | 51.2V314Ah 16kWh



The latest innovative Lithium Iron Phosphate battery from RUIXU is the Lithi2-16 16kWh energy storage system. It comes with grade A brand new battery, easy to move with 4 wheels. Ideal solution for your residential and commercial needs. Expandable From 16kWh to 257kWh for both residential and commercial buildings.



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	15Years
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

Dimensions (H × W × D)	924(with wheels)*543*250mm 36.3(with wheels)*21.3*9.8inch
Weight	145kgs
Cell(s)	16S1P
Electrolyte	LiFePO4
Certification	CE/ IEC62619 /UN38.3 UL1973/UL9540 pending
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

5-inch capacitive touch screen provides battery information and allows easy and intuitive adjustment of battery settings.



PERFLUOROHEXANE MODULE

A perfluorohexane module improves fire protection inside the battery pack to both electrical lines and cells.



QUICK PLUGS

Quick plugs provide 250A (continuous) overcurrent capacity, easy tool-less connection, long-term anti-loosening and heating protection.



FUMA WHEELS AND WALL MOUNTED FIXATION

Four concealed heavy-duty Fuma wheels facilitate movement of the battery without detracting from the elegant design. An anti-tipping mount on the back anchors the battery to the wall.



BATTERY MAINTENANCE AND INSPECTION PORT

An inspection port on the side of the battery provides access to the BMS and fuse for ease of maintenance.



ALL POLE PROTECTION

All-pole, dual protection through fuse (negative terminal) and micro circuit breaker (positive terminal).



INTELLIGENT BALANCING

A double equilibrium approach achieves efficient cell balancing by calculating capacity differences between battery cells from charging-process data and by extending the balancing time, improving the efficiency and reliability compared to general passive and active balancing modes.



SELF-HEATING FEATURE

Keeping your battery charged in cold temperatures .



ELECTRO-COATING BATTERY CASE FOR OUTDOOR USE

Electro-coating (electrophoresis) of the battery enclosure provides excellent rust prevention for outdoor use.

The electrophoretic coating process is widely used in the production of automotive body shells.

10-year

Extended Warranty

Ip65

Alloy Enclosure

Self-Heating

starts $\leq 41^{\circ}\text{F}$ (5°C)
 $\geq 53.6^{\circ}\text{F}$ (5°C) self-heating stops

9500 cycles

≥ 9500 cycles @ 80% DOD

