

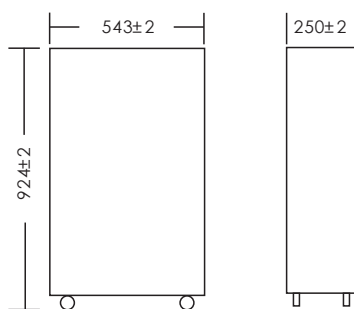
## Lithi2-16

Battery Energy Storage

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.



Dimensions (Unit: mm)

### ELECTRICAL SPECIFICATIONS

Nominal voltage	51.2V
Nominal capacity	314Ah
Nominal energy	16kWh
Operating voltage range	43.2V~58.4V
Charge voltage	56.8V
Max charging voltage	58.4V
Charge current	Recommended 140A Max 200A
Discharge current	Recommended 140A Max 200A
Maximum discharge power	10kW
Communication	RS485/CAN
Peak discharge current	240A/15S 360A/1S
Cycle life@80% DOD	≥9500 cycles
Design life	15Years
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)
Low voltage cut-off	43.2V
Usable battery capacity	16kWh , DOD:100%
Rated DC power	7kW

### 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
Warranty	10Years
Country of manufacture	China

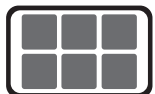
### HEATER SPECIFICATIONS

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.



## GAS AEROSOL FIREPROOF

Gas Aerosol Fireproof 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.



## 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

Self-Heating

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

9500 Cycles

$\geq 9500$  cycles @ 80% DOD

