

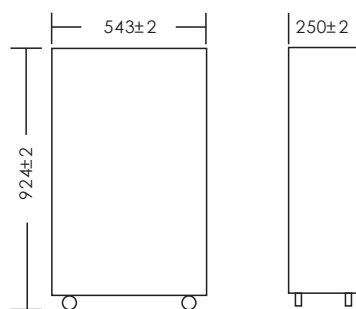
Lithi2-16

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

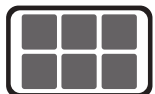
HEATER SPECIFICATIONS

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

9500 Cycles

≥ 9500 cycles @ 80% DOD

