LOW VOLTAGE DIY KIT

Battery Kit with Caster

Build home storage your way. A movable low-voltage DIY battery kit for 51.2V LiFePO4 battery systems, home storage and flexible assembly.



51.2V
Battery platform

280-320Ah
Compatible cells

15 / 16kWh
Assembled energy

COMPATIBLE CELL RANGE

Cell capacity	Approx. assembled energy	System voltage
280Ah	14.3kWh	51.2V
304Ah	15.6kWh	51.2V
314Ah	16.1kWh	51.2V
320Ah	16.4kWh	51.2V

CONFIGURATION OPTIONS

Product type	Configuration summary
Empty Kit	Battery enclosure, caster base, mounting structure and cable set
With BMS + LCD	Enclosure kit with battery management and display
With Heating Pad + CCS	BMS + LCD kit with heating pad and Cell Contact System

APPLICATIONS Residential storage / Solar backup / DIY battery projects / Off-grid power

PROJECT CONFIGURATION & QUOTATIONS

eleven@jkess.com WhatsApp +86 133 1643 8698

Product scope depends on the selected configuration. Battery cells and third-party equipment are not included unless stated in a signed quotation.

48V RACK BATTERY MODULE

6U Rack Battery Kit

Build modular battery storage your way. A low-voltage rack battery module for home energy storage, backup power and flexible system integration.



48V
Battery platform

CAN / RS485
Communication

LCD
Monitoring

MODULE CAPACITY OPTIONS

Configuration	Energy capacity	Expansion
1 module	5.12kWh	Parallel-ready
2 modules	10.24kWh	Parallel-ready
3 modules	15.36kWh	Parallel-ready
4 modules	20.48kWh	Parallel-ready

CONFIGURATION OPTIONS

Product type	Configuration summary
Empty Kit	Rack enclosure with front terminals and mounting handles
With BMS + LCD	Battery management, LCD and CAN / RS485 communication
With BMS + LCD + CCS	Integrated kit with heating pad and Cell Contact System

APPLICATIONS Residential storage / Solar backup / DIY battery projects / Off-grid power

PROJECT CONFIGURATION & QUOTATIONS

eleven@jkess.com WhatsApp +86 133 1643 8698

Product scope depends on the selected configuration. Battery cells and third-party equipment are not included unless stated in a signed quotation.

HIGH VOLTAGE DIY BOX

High Voltage DIY BOX

Control the system your way. Modular BMU and BCU architecture for LiFePO4 battery systems, flexible expansion and inverter integration.



64S-256S
Scalable architecture

100A / 200A
BCU system options

2A
Active balancing

SYSTEM CONFIGURATION OPTIONS

BMU quantity	Series count	Approx. nominal voltage
4 BMU	64S	204.8V
5 BMU	80S	256V
6 BMU	96S	307.2V
Custom	Other configurations	On request

INTEGRATION & EXPANSION

Function	Configuration summary
Current selection	Choose 100A or 200A BCU to suit the project
Communication	CAN / RS485, Modbus and inverter communication
Flexible expansion	Series architecture up to 16 battery boxes / 256S

PROJECT INPUTS Share inverter model, target series count and required battery configuration.

PROJECT CONFIGURATION & QUOTATIONS

eleven@jkess.com WhatsApp +86 133 1643 8698

Product scope depends on the selected configuration. Battery cells and third-party equipment are not included unless stated in a signed quotation.

C&I ENERGY STORAGE

Integrated C&I ESS Cabinets

Scalable all-in-one storage solutions for commercial and industrial projects. Choose a model around your required power and energy capacity.



64-261kWh
Model range

30-125kW
Power range

EMS
Real-time monitoring

MODEL SELECTION

Energy	Power	Cooling	Typical application
64kWh	30kW	Air-cooled	Small sites
100kWh	50kW	Air-cooled	Small business
215kWh	100kW	Air / Liquid	Commercial buildings
261kWh	125kW	Liquid-cooled	Large C&I projects

INTEGRATED IN ONE CABINET

System element	Configuration summary
Core equipment	Battery modules, PCS, BMS and EMS
Thermal & safety	Cooling and fire protection
Monitoring	Real-time data and intelligent control

APPLICATIONS Peak shaving / Solar + storage / Commercial backup / Industrial storage

PROJECT CONFIGURATION & QUOTATIONS

eleven@jkess.com WhatsApp +86 133 1643 8698

Product scope depends on the selected configuration. Battery cells and third-party equipment are not included unless stated in a signed quotation.