

BATTERY PACK LOW-VOLTAGE

TECHNICAL SPECIFICATION

(V.2023A2)

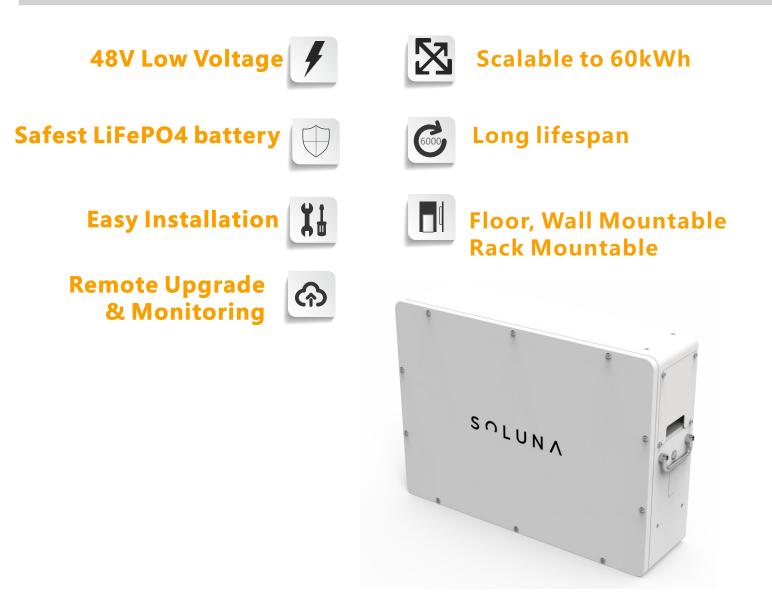




Soluna's EOS 5K Pack is a low-voltage battery solution ideal for typically Residential energy storage applications.

The model is adopted by the latest LiFePO4 technology with intelligent BMS integrated inbuilt blackout protection for energy security, offering a 5kWh capacity with a powerful 5kWp and 100A charge-discharge rate.

They can be installed in Parallel with up to **12 batteries enabling 60kWh** of total storage, which makes the EOS 5K Pack a flexible, reliable, high-performance battery storage solution.





Soluna 10K PACK LV is a low-voltage battery solution for heavy loads of residential energy storage applications.

The model continues to be adopted by the Soluna classic **pre-assembly** design, LiFePO4 technology with intelligent BMS integrated, offering a capacity of **10kWh** with a powerful **10kWp and 200A charge-discharge rate.**

They can be installed in Parallel with up to 12 batteries enabling **120kWh** of total storage, which makes the 10K Pack LV a flexible, reliable, high-performance battery storage solution.



SOLUNA POWER DESIGNED FOR NIGHT AND DAY

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS	EOS 5K	10K Pack LV
Height (mm)	595	760
Width (mm)	438	500
Depth (mm)	165	215
Weight (kg)	60	100
Installation	Floor-stand , Wall-mounted, Rack-mounted	
ELECTRICAL CHARACTERISTICS		
Battery type	Lithium LFP	
Nominal capacity (kWh) Nominal voltage (V) Voltage range (usable) (V) Max. charge/discharge current (A) Depth of discharge (DoD) (%) Internal resistance (mΩ) Cycle life Battery pack round-trip efficiency (%) DC disconnect	5 51.2 40 to 58.4 100/100 ≤6 600 >9	10 51.2 48 to 57.6 100 / 200 0
BMS		
Power consumption	<3 W (work) <100 mW (sleep)	
Monitoring parameters	System voltage	

Communication

OPERATING CONDITIONS

Operating temperature (°C) Operating temperature (recommended) (°C) Storage temperature (°C) Humidity conditions (%) Altitude (m) Cooling strategy -10 to 50 15 to 30 -30 to 60 5 to 95 Max. 2,000 Natural convection

System current Cell voltage Cell temperature

CAN-WiFi

RELIABILITY AND CERTIFICATION

Certification

Hazardous materials classification Transportation Ingress protection rating System configuration

CE, IEC62619 & UL1973

Class 9 UN38.3 IP 54 1 to 12 parallel

WARRANTY

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Product and performance

10-year standard warranty



TECHNICAL SPECIFICATIONS WIFI STICK

WiFi Stick is an internal data logger in the Soluna battery monitoring series.

By connecting with the battery through CAN 1 interface and checking working status from the 3 LEDs on the WiFi Stick, it can collect information from battery and transmit data to the web server, realizing remote monitoring for users including Fault Alarm, Firmware update and parameter setting through web portal and a direct connection configuration with Soluna E-Cloud APP for user as well.



PHYSICAL CHARACTERISTICS

Model Name	
Dimension (H*W*D)	
Weight (kg)	
Installation	

ELECTRICAL

Input VoltageDC 5VPower consumption1.5W

COMMUNICATION CONNECTING PORT

Supported device type Data collection intervals Indicator Communication Interface Wireless communication Configuration

ENVIRONMENT

Operating temperature Storage temperature Operating humidity Storage humidity Warranty Soluna 10K/15K Pack HV(L-E) 5 minutes LED *3 USB 2.4GHz~2.48GHz/ 802.11b/g/n APP

WiFi Stick RSW-1 122*49*30 mm

Insert+Screw

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nperature

-30°C~+70°C -40°C~+90°C 10%-90% <50% 2 Years







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