

# SOLUNA™

POWER DESIGNED FOR NIGHT AND DAY

## BATTERY PACK LOW-VOLTAGE

TECHNICAL SPECIFICATION

(V.2023A2)



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**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.

**48V Low Voltage**



**Scalable to 60kWh**

**Safest LiFePO4 battery**



**Long lifespan**

**Easy Installation**



**Floor, Wall Mountable  
Rack Mountable**

**Remote Upgrade  
& Monitoring**



## TECHNICAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

### EOS 5K

Height (mm)	595
Width (mm)	438
Depth (mm)	165
Weight (kg)	60
Installation	

### ELECTRICAL CHARACTERISTICS

Battery type		Lithium LFP
Nominal capacity (kWh)	5	
Nominal voltage (V)	51.2	
Voltage range (usable) (V)	40 to 58.4	
Max. charge/discharge current (A)	100/100	
Depth of discharge (DoD) (%)		90
Internal resistance (mΩ)		≤60
Cycle life		6000
Battery pack round-trip efficiency (%)		>95
DC disconnect		Contactorfuse

### BMS

Power consumption	<3 W (work)
	<100 mW (sleep)
Monitoring parameters	System voltage
	System current
	Cell voltage
	Cell temperature
Communication	CAN-WiFi

### OPERATING CONDITIONS

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

### RELIABILITY AND CERTIFICATION

Certification	CE, IEC62619 & UL1973
Hazardous materials classification	Class 9
Transportation	UN38.3
Ingress protection rating	IP 54
System configuration	1 to 12 parallel

### WARRANTY

Product and performance	10-year standard warranty
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