

# SOLUNA™

POWER DESIGNED FOR NIGHT AND DAY

## BATTERY PACK LOW-VOLTAGE

TECHNICAL SPECIFICATION

(V.2023A2)



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**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.

**48V Low Voltage**



**Scalable to 120kWh**

**Safest LiFePO4 battery**



**Long lifespan**

**Easy Installation**



**Floor, Wall Mountable**

**Remote Upgrade  
& Monitoring**



## TECHNICAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

	10K Pack LV
Height (mm)	760
Width (mm)	500
Depth (mm)	215
Weight (kg)	100
Installation	Floor-stand, Wall-mounted, Rack-mounted

### ELECTRICAL CHARACTERISTICS

Battery type	Lithium LFP
Nominal capacity (kWh)	10
Nominal voltage (V)	51.2
Voltage range (usable) (V)	48 to 57.6
Max. charge/discharge current (A)	100 / 200
Depth of discharge (DoD) (%)	90
Internal resistance (mΩ)	≤60
Cycle life	6000
Battery pack round-trip efficiency (%)	>95
DC disconnect	Contacteur fuse

### 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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