



POWER DESIGNED FOR NIGHT AND DAY

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



SOLUNA



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)	5	10
Nominal voltage (V)	51.2	51.2
Voltage range (usable) (V)	40 to 58.4	48 to 57.6
Max. charge/discharge current (A)	100/100	100 / 200
Depth of discharge (DoD) (%)	90	
Internal resistance (mΩ)	≤60	
Cycle life	6000	
Battery pack round-trip efficiency (%)	>95	
DC disconnect	Contactor 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	