



Soluna 10K PACK LV is a battery solution ideal for residential and small commercial energy storage applications.

The model is adopted by the latest **LiFePO₄** technology with an intelligent BMS integrated in the fault protection for energy security, offering a capacity of 10kwh which can be installed in parallel up to 12 batteries allowing 1.2MWh of total storage.

With a **10-year** warranty and 6000 cycle life, the Soluna 10K pack LV is a flexible, reliable and high performance battery storage solution.

Low Voltage



Scalable to 1.2MWh

Safest LiFePO₄ battery



Long lifespan

Easy Installation



Floor, Wall mounting



TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Height (mm)	760
Width (mm)	500
Depth (mm)	215
Weight (kg)	100
Installation	Indoor / Outdoor

ELECTRICAL CHARACTERISTICS

Battery type	Lithium LEP
Nominal capacity (Ah)	200
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	Contactors / fuse

BMS

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

OPERATING CONDITIONS

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

RELIABILITY AND CERTIFICATION

Certification	Cell: UL1642 Module: UN38.3 . UL1973. UL9540A IEC62619 . CE RoHS
Transportation	UN38.3
Ingress protection rating	IP 65
System configuration	1 to 120 parallel

WARRANTY

Product and performance	10-year standard warranty
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