



Soluna 10K-20 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 30 batteries allowing 300kWh of total storage.

With a 10-year warranty and 8000 cycle life, the Soluna 10K-20 Pack LV is a flexible, reliable and high performance battery storage solution.

Easy Installation



Scalable to 300 kWh

Safest LiFePO₄ battery



Long lifespan

Floor Mount
Wall Mount



TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Height (mm)	760
Width (mm)	500
Depth (mm)	215
Weight (kg)	100
Installation	Floor Mount / Wall Mount

ELECTRICAL CHARACTERISTICS

Battery type	LFP
Nominal Energy(kWh)	10.24
Usable Energy (kwh)[1]	9.2
Nominal capacity (Ah)	200
Nominal voltage (V)	51.2
Voltage range (usable) (V)	48 to 57.6
Max. charge/ discharge current(A)	100 / 200
Recommended Depth of Discharge (%)	80
Max. Depth of Discharge(%)	90
Internal resistance (mΩ)	≤60
Cycle life@ 25°C(under standard charge and discharge conditions)	≥8000
Battery pack round-trip efficiency (%)	>95
DC disconnect	Contactor / fuse

BMS

Power consumption	<3W (working) <100 mW (sleeping)
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	UL1642 UN38.3.UL1973.UL9540A IEC62619. CE ROHS
Transportation	UN38.3
Ingress protection rating	IP 20
System configuration	1 to 30 parallel

WARRANTY

Product and performance	10-year standard warranty
-------------------------	---------------------------