



SOLUNA

POWER DESIGNED FOR NIGHT AND DAY

10K Pack LV



TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS	
Dimensions (W*D*H)(mm)	500*215*760
Weight (kg)	100
Installation	Indoor / Outdoor
ELECTRICAL CHARACTERISTICS	
Battery type	LFP
Total Energy Capacity (kWh)	10.24
Usable Energy Capacity (kWh)	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
Recommend 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
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	IP65
System configuration	1 to 30 parallel
WARRANTY	
Product and performance	10-year warranty

KEY FEATURES



IP65



Scalable to 300kWh



Safest LiFePo₄ battery



Long lifespan



Easy Installation



Floor, Wall Mounted



Aerosol fire protection

Soluna 10K Pack LV is a residential and small commercial battery storage solution, featuring advanced LiFePO₄ technology with an integrated intelligent BMS for enhanced safety and reliability. It delivers **10 kWh** per unit and supports parallel installation up to **30 units (300 kWh)**. With a 10-year warranty and **8,000-cycle lifespan**, it provides flexible and high-performance energy storage.

