



POWER DESIGNED FOR NIGHT AND DAY

## BATTERY MODULE **4K PACK**

TECHNICAL SPECIFICATIONS

The **Soluna 4K Pack** is a battery module that stores power produced by your solar system, reducing power bills and enhancing energy independence 24/7. Suitable for domestic or small commercial applications.



The **Soluna 4K Pack** pairs exclusively with the **Soluna Power Bank** series **S4/S8/S12**.

# BATTERY MODULE 4K PACK HV

## TECHNICAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

Height (mm)	205
Width (mm)	678
Depth (mm)	436
Weight (kg)	60

### ELECTRICAL CHARACTERISTICS

Battery type	LFP
Total capacity (kWh)	3.84
Usable capacity (kWh)	3.46
Battery capacity (nominal) (Ah)	75
Voltage range (usable) (V)	40 to 58.4
Nominal voltage (V)	51.2
Max. charge/discharge current (V)	50
Max. charge/discharge power (kW)	2.5
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 45
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	Cell: UL1642 Battery module: IEC62619 & UL1973
Hazardous materials classification	Class 9
Transportation	UN38.3
Ingress protection rating	IP20
System configuration	1 to 4 parallel

### WARRANTY

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