

## 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

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

### ELECTRICAL CHARACTERISTICS

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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	Contactors fuse

### BMS

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

### OPERATING CONDITIONS

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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

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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

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Product and performance	10-year standard warranty
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