

BATTERY MODULE 4K PACK

TECHNICAL SPECIFICATION

The **Soluna 4K Pack** is a single-phase battery module that enables energy storage to maximise self-consumption from your solar system to reduce electricity bills and provide energy independence. Suitable for residential or Small Office Home Office keeping you powered night and day.



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PHYSICAL CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Battery type	LFP
Total Energy Capacity	3.84 kWh
Usable Energy Capacity	3.07 kWh
Battery Capacity	75
Voltage Range	40-58.4
Nominal Voltage	51.2
Max. Charge/Discharge Current	50
Max. Charge/Discharge Power	2.5 kW
DOD	80%
Internal resistance	≤60 mΩ
Cycle life	6000
Battery Pack Round-Trip Efficiency	>95%
DC Disconnect	Contactora Fuse

BMS

Power consumption	<3W (work) <100mW (sleep)
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Monitoring parameters	System Voltage System Current Cell Voltage Cell temperature
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Communication	CAN
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OPERATING CONDITIONS

Operating Temperature	-10 ~ 45C
Operating Temperature	15 ~ 30C
(Recommended) Storage Temperature	-30 ~ 60C
Humidity	5% ~ 95%
Altitude	Max. 2,000 m
Cooling Strategy	Natural Convection

RELIABILITY & CERTIFICATION

Certificates	Cell UL1642 Battery Module IEC62619 & UL1973
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Hazardous Materials Classification	Class 9
Transportation	UN38.3
Ingress Rating	IP20
System configuration	1 ~ 4 Parallel

WARRANTY

Product and performance	10 years
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