

SOLUNA

POWER DESIGNED FOR NIGHT AND DAY

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Soluna 2.5K Pack is a low-voltage battery solution ideal for Residential and energy storage applications.

The model is adopting by latest **LiFePO₄** technology with intelligent BMS integrated inbuilt blackout protection for energy security, offering a **2.56kWh** capacity that can be installed in parallel with up to 32 batteries enabling 81.92kWh of total storage.

With a 5-year warranty and 8000 cycle life, the Soluna 2.5K Pack is a flexible, reliable and high performance battery storage solution.

**Bluetooth
WIFI connection**



Scalable to 81.92kWh



Safest LiFePO₄ battery



Long lifespan



Easy Installation



Floor, Wall mounted



TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Height (mm)	350
Width (mm)	460
Depth (mm)	150
Weight (kg)	25
Installation	Floor-stand / Wall-mounted

ELECTRICAL CHARACTERISTICS

Battery type	LFP
Total Energy Capacity (kWh)	2.56
Usable Energy Capacity (kWh)	2.304
Nominal capacity (Ah)	100
Nominal voltage (V)	25.6
Voltage range (usable) (V)	20 to 28.4
Charge/Discharge Current (A)	50
Max.Charge/Discharge Current (A)	75 / 100
Recommend Depth of Discharge (%)	80
Max Depth of Discharge (%)	90
Internal resistance	≤30mQ
Cycle life @ 25°C (under standard charge and discharge conditions)	≥8000
DC Disconnect	MOS / Fuse

BMS

Power consumption	<2W (working), <100mW (sleeping)
Monitoring parameters	System Voltage System Current Cell Voltage Cell Temperature SOC SOH
Communication	CAN, RS-485

OPERATING CONDITIONS

Operating temperature (°C)	-10 to 50
Operating temperature (recommended) (°C)	15 to 30
Storage temperature (recommended) (°C)	-20 to 60 (≤7 days) -20 to 45 (≤1 month) 0 to 45 (≤3 months) 0 to 25 (≤1 years)
Humidity conditions (%)	5 to 95
Altitude (m)	Max. 2,000

RELIABILITY AND CERTIFICATION

Certification	TBD
Transportation	UN38.3
Ingress protection rating	IP 20
Module parallel	1~32 Parallel

WARRANTY

Product and performance	5-year standard warranty
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