

# SOLUNA

POWER DESIGNED FOR NIGHT AND DAY

# SOLUNA

POWER DESIGNED FOR NIGHT AND DAY



SOLUNA

[www.soluna.co](http://www.soluna.co)

Email:[sales@solunabattery.com](mailto:sales@solunabattery.com)

Tel.:+86-21-57475835

SOLUNA

[www.soluna.co](http://www.soluna.co)

Email:[sales@solunabattery.com](mailto:sales@solunabattery.com)

Tel.:+86-21-57475835

**Soluna Lyra 5K Pack** is a low-voltage battery solution ideal for Residential and energy storage applications.

The model is adopting by latest **LiFePO<sub>4</sub>** technology with intelligent BMS integrated inbuilt blackout protection for energy security, offering a **5.12kWh** capacity that can be installed in parallel with up to 16 batteries enabling 81.92kWh of total storage.

With a **7-year** warranty and up to 6000 long cycle life, the Lyra 5K Pack is a flexible, reliable, high-performance battery storage solution.

**Low Voltage**



**Scalable to 81.92kWh**

**Safest LiFePO<sub>4</sub> battery**



**Long lifespan**

**Easy Installation**



**Floor, Wall Mountable**



## TECHNICAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

Height (mm)	595
Width (mm)	420
Depth (mm)	160
Weight (kg)	47
Installation	Floor-stand, Wall-mounted

### ELECTRICAL CHARACTERISTICS

Battery type	LFP
Nominal capacity (kWh)	5.12
Nominal voltage (V)	51.2
Voltage range (usable) (V)	48-57.6
Max. charge (A)	75
Discharge current (A)	100
Depth of discharge (DoD) (%)	90
Internal resistance (mΩ)	≤40
Cycle life (0.2C charge, 0.2C discharge)	≥6000
Battery pack round-trip efficiency (%)	>95
DC disconnect	MOSFET Fuse

### BMS

Power consumption	<3 W (working) <100 mW (sleeping)
Monitoring parameters	System voltage System current Cell voltage Cell temperature CAN Wi-Fi, RS 485
Communication	CAN Wi-Fi, RS 485

### 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

Hazardous materials classification	Class 9
Transportation	UN38.3
Ingress protection rating	IP20
System configuration	1 to 16 parallel

### WARRANTY

Product and performance	7-year warranty
-------------------------	-----------------