



# SOLUNA LYRA 5K



51.2 V Battery  
Voltage



≥ 6000 Cycle



Compatible with  
Most Inverters



Built in Wi-Fi



[www.zncsolar.com](http://www.zncsolar.com)

# SOLUNA LYRA 5K

## TECHNICAL SPECIFICATION

### PHYSICAL CHARACTERISTICS

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

### ELECTRICAL CHARACTERISTICS

Battery type	Lithium 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 (m)	≤40
Cycle life	≥6000
Battery pack round-trip efficiency (%)	> 95
DC disconnect	MOSFET FUSE

### BMS

Power consumption	<3 W (work) <100 mW (sleep)
Monitoring parameters	System voltage System current Cell voltage Cell temperature CAN WIFI, 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 2000
Cooling strategy	Natural convection

### RELIABILITY AND CERTIFICATION

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

### WARRANTY

Product and performance	7-year warranty
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## KEY FEATURES



51.2 V Battery Voltage



≥ 6000 Cycle



1C Discharge Rate



Extendable Upto 80kwh



Compatible with most Inverters



Built in Wi-Fi



Built in Communication Cables



Wall Mount & Floor Mount



7 Years Warranty



**ZNC Solar**

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Soluna eCloud  
Monitoring Platform



AVAILABLE ON THE  
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