

SOLUNA™

SOLUNA LYRA 5K



51.2 V Battery
Voltage



Ingress
Protection



Compatible with
Most Inverters



Built in Wi-Fi



www.solunabattery.pk

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



SOLUNA™

UAN: +92 334 8888 555
www.solunabattery.pk
48, Abu Bakar Block,
New Garden Town, Lahore.

Soluna eCloud
Monitoring Platform



AVAILABLE ON THE
App Store



ANDROID APP ON
Google Play

