



POWER DESIGNED
FOR NIGHT AND DAY

SOLUNA BES 5K

LOW VOLTAGE BATTERY FOR ENERGY STORAGE APPLICATIONS

SOLUNA BES 5K

TECHNICAL SPECIFICATION

PHYSICAL CHARACTERISTICS

Height (mm)	580
Width (mm)	420
Depth (mm)	155
Weight (kg)	48
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)	≤60
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 2.000
Cooling strategy	Natural convection

RELIABILITY AND CERTIFICATION

Hazardous materials classification	Class 9
Transportation	UN38.3
Certification	
Ingress protection rating	IP54
System configuration	1 to 16 parallel

WARRANTY

Product and performance	5-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



5 Years Warranty



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Soluna eCloud
Monitoring Platform

AVAILABLE ON THE
App Store

ANDROID APP ON
Google Play

