

SOLUNA BES 5K

LOW VOLTAGE BATTERY FOR
ENERGY STORAGE APPLICATIONS



POWER DESIGNED
FOR NIGHT AND DAY

SOLUNA BES 5K

TECHNICAL

SPECIFICATION

	580	420	155
	48	Floor-	Wall-
	mm	stand,	mounted
Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
Installation			
PHYSICAL 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[1]	>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 15 to 30		
Operating temperature (recommended) (°C)	15 to 30 5 to 95		
Storage temperature (recommended) (°C)	Max 2.000 Natural convection		
Humidity conditions (%)			
Altitude (m)			
Cooling strategy			
RELIABILITY AND CERTIFICATION			
Hazardous materials classification			
Transportation			
Certification	Class 9		
Ingress protection rating	UN38.3		
System configuration	IP54 1 to 16 parallel		
WARRANTY			
Product and performance	5-year warranty		

[1]Test conditions: 0.2C Charging/Discharging, @25oC,90% DOD

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

