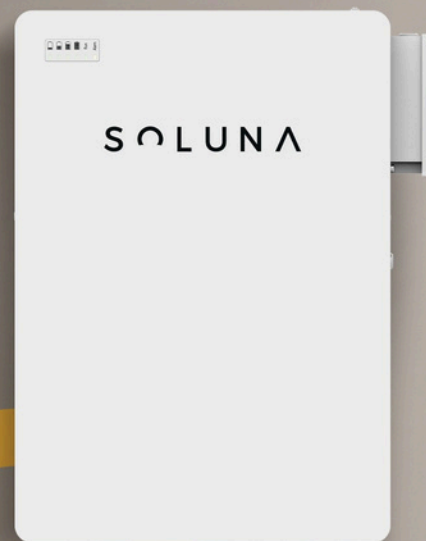




SUNSOLAR®
Let the Sun be a Power Partner



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) 5 to 95
Humidity conditions (%) Max 2.000 Natural convection
Altitude (m)
Cooling strategy

RELIABILITY AND CERTIFICATION

Hazardous materials classification

Transportation

Certification Class 9

Ingress protection rating UN38.3

System configuration

IP65
1 to 16 Parallel

WARRANTY

Product and performance 10-Year Warranty

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



10 Years Warranty



Call: 03-111-666-677
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502-C Jubilee Town
Canal Bank Road Lahore.

Soluna eCloud
Monitoring Platform

AVAILABLE ON THE
App Store

ANDROID APP ON
Google Play

