

SOLUNA BES 5K

LOW VOLTAGE BATTERY FOR
ENERGY STORAGE APPLICATIONS



POWER DESIGNED
FOR NIGHT AND DAY

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[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



Soluna eCloud Monitoring Platform

AVAILABLE ON THE App Store

ANDROID APP ON Google Play

