

ANiCSUN

BES 2.5K

25.6V | 100Ah | 2.56 Kwh



SCALABLE
TO 40.96 KWH



BUILT IN
Wi-Fi



IP54 Ingress
Protection Rating



www.acinsun.com

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Height (mm)	350
Width (mm)	460
Depth (mm)	150
Weight (kg)	25
Installation	Floor-stand / Wall-mounted

ELECTRICAL CHARACTERISTICS

Battery type	LFP
Total Energy Capacity (kWh)	2.56
Usable Energy Capacity (kWh)	2.304
Nominal capacity (Ah)	100
Nominal voltage (V)	25.6
Voltage range (usable) (V)	20 to 28.4
Charge/Discharge Current (A)	50
Max.Charge/Discharge Current (A)	75 / 100
Recommend Depth of Discharge (%)	80
Max Depth of Discharge (%)	90
Internal resistance	≤30mQ
Cycle life @ 25°C(under standardcharge and discharge Conditions)	≥6000
DC Disconnect	MOS / Fuse

BMS

Power consumption	<2W (working), <100mW (sleeping)
Monitoring parameters	System Voltage System Current Cell Voltage Cell Temperature SOC SOH
Communication	CAN, RS-485

OPERATING CONDITIONS

Operating temperature (°C)	-10 to 50
Operating temperature(recommended) (°C)	15 to 30
Storage temperature (recommended)(°C)	-20 to 60 (≤7 days) -20 to 45 (≤1 month) 0 to 45 (≤3 months) 0 to 25 (≤1 years)
Humidity conditions(%)	5 to 95
Altitude(m)	Max. 2,000

RELIABILITY AND CERTIFICATION

Certification	TBD
Transportation	UN38.3
Ingress protection rating	IP 54
Module parallel	1~16 Parallel

WARRANTY

Product and performance	5-year standard warranty
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KEY FEATURES



25.6 V Battery Voltage



≥ 6000 Cycle



Extendable Upto 40.9kwh



Compatible with Voltronic inverters



Built in Wi-Fi



Built in Communication Cables



Wall Mount & Floor Mount



Built in Power Cables



ANICSUN

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Soluna eCloud
Monitoring Platform

AVAILABLE ON THE
App Store

ANDROID APP ON
Google Play

