

## POWER BANK BATTERY ENERGY STORAGE



Combine the **Soluna Power Bank** all-in-one integrated battery storage system with a quality solar PV array for the ultimate home energy solution, reducing electricity bills and maximising energy independence – night and day.

### ENVIRONMENT

Power designed for clean and affordable energy. Becoming eco-friendly starts at home.

### SECURITY

Keep your home safe and secure with complete energy back-up protection.

### INDEPENDENCE

Achieve freedom from the standard electricity supply. Power your home with solar and batteries, to secure an energy source you can rely on.

ALL-IN-ONE

BACK UP POWER

10 YEAR WARRANTY

ONLINE MONITORING

HYBRID & OFF-GRID

INPUT POWER SOURCE – SOLAR – GRID – DIESEL GENERATOR

# POWER BANK TECHNICAL SPECIFICATION

## BATTERY SPECIFICATIONS

Model	S4 EU-A36	S8 EU-A50	S12 EU-A50
Battery Type	Lithium (LFP)	Lithium (LFP)	Lithium (LFP)
Nominal Capacity (kWh)	3.84	7.68	11.52
Usable Capacity (kWh)	3.46	6.91	10.37
Battery Capacity (Ah)	75	150	225
Normal Voltage (V)	51.2	51.2	51.2
Voltage Range (V)	42-58	42-58	42-58
Max. Charge Current (A)	50	100	100
Max. Discharge Current (A)	50	100	100
DOD	90%	90%	90%
Cycle Life	6000	6000	6000

## REGULAR PARAMETERS

Dimensions H x W x D	1230 x 700 x 340mm	1335 x 750 x 565mm	1335 x 750 x 565mm
Max. Continuous Power(W)	3600	5000	5000
Weight (kg)	145	240	300
Display	7" Graphic LCD	7" Graphic LCD	7" Graphic LCD
Communication	CAN, WIFI,	CAN, WIFI,	CAN, WIFI,
Operating Temperature (Celsius)	-10~+40	-10~+40	-10~+40
Storage Stability (Celsius)	-20~+60	-20~+60	-20~+60
Relative Humidity	0~95%	0~95%	0~95%
Altitude (m)	<2000	<2000	<2000
Cooling Methods	Forced Airflow	Forced Airflow	Forced Airflow
Degree of Protection	IP20 (+optional external enclosure)	IP20 (+optional external enclosure)	IP20 (+optional external enclosure)

## INVERTER - PV-INPUT

Inverter Model	SUN-3.6K-SG03LP1-EU	SUN-5K-SG03LP1-EU	SUN-5K-SG03LP1-EU
Max. Recommended DC (W)	EU 3600	6500	6500
Max. DC Voltage (V)	500	500	500
Isc PV (absolute max.)	16A	16A/16A	16A/16A
Number of MPPT trackers	1	2	2
Strings per MPPT	1/1	1/1	1/1
Normal DC Operating Voltage (V)	360	360	360
Max. input current MPPT	11A	11A/11A	11A/11A
Voltage Range (V)	125-425	125-425	125-425
VDC range @ full power (VDC)	300-425	300-425	300-425

## INVERTER - AC INPUT & OUTPUT

Nominal Voltage (VAC)	230, Single Phase (L/N/PE)	230, Single Phase (L/N/PE)	230, Single Phase (L/N/PE)
Frequency (Hz)	50	50	50
Max. AC Output Current (A)	18	25	25
Max. AC Input Current (A)	18	25	25
Max. Continuous Power (W)	3.6 kW	5.0 kW	5.0 kW
Power Factor Range	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8

## INVERTER - OFF-GRID AC OUTPUT

Nominal Voltage (VAC)	230, Single Phase (L/N/PE)	230, Single Phase (L/N/PE)	230, Single Phase (L/N/PE)
Frequency (Hz)	50	50	50
Max. AC Output Current (A)	18	25	25
Max. Continuous Power (W)	3.6 kW	5.0 kW	5.0 kW
Power Factor Range	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8

## CERTIFICATIONS

AS/NZS 4777.2: 2015

IEC 62109-2:2011

IEC 62109-1:2010

IEC 62619: 2017

UL1973

AS/NZS 60950.1: 2015