

# SOLUNA™

POWER DESIGNED FOR NIGHT AND DAY



## ALL IN ONE

Flexible capacity

LCD Control

CE IEC UL Certified

UPS

APP WEB monitoring

### Battery Specifications

Model	S4	S8	S12
Battery type	Lithium(LFP)	Lithium(LFP)	Lithium(LFP)
Nominal Storage capacity (kWh)	3.84	7.68	11.52
Usable Storage Capacity (kWh)	3.07	6.14	9.22
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	80%	80%	80%
Cycle life	6000	6000	6000

### Regular parameters

Dimension (H×W×D)	1230mm×700mm×340mm	1330mm×750mm×565mm	
Weight (kg)	145kg	240kg	300kg
Display	7" graphic LCD		
Communication	CAN,WIFI		
Operating temperature range (°C)	-10~+40		
Storage stability range (°C)	-20~+60		
Relative humidity	0~95%		
Altitude (m)	<2000		
Cooling methods	Forced airflow		
Degree of protection	IP20		

### Certificates

Safety	IEC 62619 (Cell), IEC 62109
Warranty	10 years for battery

## Inverter

PV input			
Max. recommended DC power(W)	3600	6500	6500
Max. DC voltage (V)	500	500	500
Norminal DC operating voltage (V)	360	360	360
MPPT voltage range (V)	125-425	125-425	125-425
Max. input current (A)	11	11	11
Max. short current (A)	16	16	16
Number of MPPT trackers	1	2	2
Strings per MPPT tracker	1	1	1
AC Output			
Nominal AC voltage/Range (VAC)	230, Single phase(L/N/PE)		
Max. AC output current (A)	18	25	25
Max. AC input current (A)	18	25	25
Max. continuous Power (W)	3600	5000	5000
Grid Frequency/Range (Hz)	50	50	50
Power factor range	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8
Displacement Power Factor	±0.95	±0.95	±0.95
Grid type	Single phase(L/N/PE)	Single phase(L/N/PE)	Single phase(L/N/PE)
Total harmonic distortion (THD)	<3%	<3%	<3%
Off-Grid AC Output			
Max. Continuous power (W)	3600	5000	5000
Off-Grid AC Rated voltage (V)	220/230/240	220/230/240	220/230/240
AC nominal current (A)	13	20	20
Frequency (Hz)	50	50	50
Max. AC output current (A)	18	25	25
Switching time (ms)	20	20	20
Total harmonic distortion (THD)	<3%	<3%	<3%
Peak power(off grid)/Time	150%/10s	150%/10s	150%/10s
Back current (A)	0	0	0
Grid type	Single phase(L/N/PE)	Single phase(L/N/PE)	Single phase(L/N/PE)
Output Power Sources			
Grid			
Solar Power			
Diesel Generator			

# SOLUNA

www.solunabattery.com

HAVE QUESTIONS? GIVE US A CALL: +86-21-57475835

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