

# SOLUNA™

POWER DESIGNED FOR NIGHT AND DAY



## ALL IN ONE for North America

Flexible capacity

UPS

LCD Control

APP WEB monitoring

CE IEC UL Certified

### Battery Specifications

Model	S8 NA	S12 NA
Battery type	Lithium(LFP)	Lithium(LFP)
Nominal Storage capacity (kWh)	7.68	11.52
Usable Storage Capacity (kWh)	6.14	9.22
Battery capacity (Ah)	150Ah	225Ah
Battery rated voltage (V)	51.2V	51.2V
Voltage range (V)	42~58V	42~58V
Max. charge current (A)	120	120
Max. discharge current (A)	120	120
DOD	80%	80%
Cycle life	6000	6000

### Regular parameters

Dimension (L*W*H)	1330mm×750mm×565mm	
Weight (kg)	240Kg	300Kg
Display	7" graphic LCD	7" graphic LCD
Communication	CAN ,WIFI	CAN ,WIFI
Operating temperature range (°C)	-10~+45	
Storage stability range (°C)	-20~+60	
Relative humidity	0~95%	
Altitude (m)	<2000	
Cooling methods	Forced airflow	
Degree of protection	IP20	
Certificates	UL1973, UL 9540	
Warranty	10 years for battery, others 5 years	

## Inverter

PV input		
Rated DC power (W)	6000	8000
Max. DC Voltage (V)	500	500
MPPT Voltage range (V)	150~450	150~450
Starting Voltage (V)	200	200
Max. DC current (A)	10+10	18+18
Input String Number	2	4
Number of MPPT tracker	2	2
AC output		
Rated AC output and UPS power (W)	6000	8000
Max. AC power (W)	6000	8000
Peak power (off grid)	1.5 times rated power,10S	1.5 times rated power,10S
Continuous output current (A)	25	32
Over current protection (A)	50	55
Output frequency and voltage	50/60Hz;120vac&240Vac	
Off grid output range	45~55Hz/55~65Hz; 180~270Vac ,230Vac±2%	
Current harmonic distortion	50Hz±0.2%,THD<3%(Linear loading)<1.5%	
Power factor	0.9Leading~0.9Lagging	
Grid type	Split phase	
Efficiency		
Max.Efficiency	0.976	
Euro Efficiency	0.97	
MPPT Efficiency	0.999	
General Data		
Operating Temperature Range (°C)	-25~60°C, >45°C Derating	
Cooling	Fan	
Noise (dB)	<30	
Communication with BMS	RS485; CAN	
Weight (kg)	32KG	
Size (Length*Width*Height mm)	680*420*233mm	
Protection Degree	IP65	
Certificates and Standards		
Grid Regulation	UL 1741	
Safety Regulation	UL 1973	

# SOLUNA

[www.solunabattery.com](http://www.solunabattery.com)

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

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