

SNA 3-6k

With thousands of hybrid inverters & AC units installed around the world, Luxpower has stepped even further to bring power to every home, with or without grid power.

ECO Hybrid SNA 3-6k is now available for homes without grid. Inquire your local distributor to reorganize your power at home, no more blackouts.



How it works

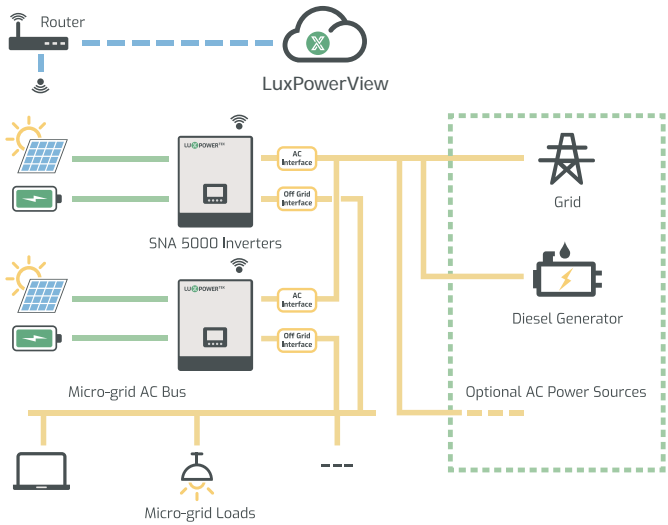
/ System Connection

Off-grid system is a good solution for the area where the grid power is unstable or in scarcity.

Advantage of solar power:

- Easy to install
- Efficient
- Cost-effective
- Environment-friendly

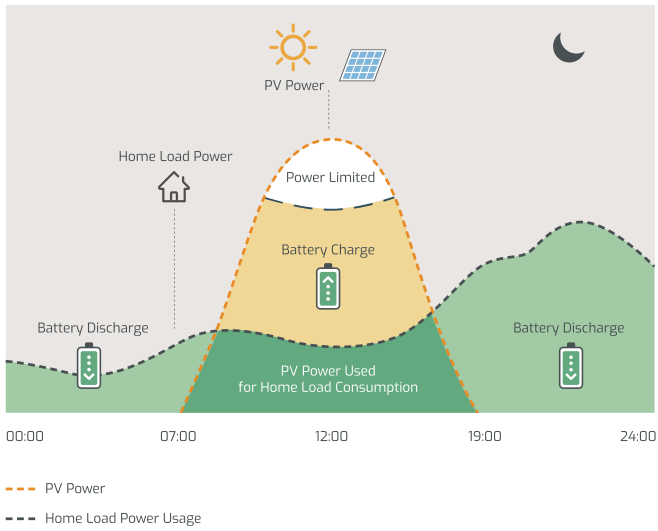
Can partially or entirely replace diesel generator. Flexible from 3 to 50kW.



/ Working Mode

SNA 3-6kW series off-grid inverters can support the system to work as back-up power or a replacement for diesel generator. Since the inverter support paralleling function, the capacity of the system can range from 3kW to 50kW.

The inverter supports several working modes, including: Pure off-grid working mode: working as traditional off-grid inverters, can prioritize between using AC power or solar power. Hybrid working mode: working as a hybrid, supporting solar and utility jointly taking the load, can choose between self-consumption mode or charge priority mode.



SNA 3-6k Single phase

Reclaim
Your
Power

- Intelligent off-grid & hybrid modes
- Off-grid seamless switching
- Wide PV input voltage range
- Great battery compatibility
- Single phase/Unbalanced 3-Phase
- Support up to 16pcs in parallel
 - Host inverter automatically generated to manage the entire system
- Separate generator port available

SpecifiCation

INPUT (PV DC)	SNA 3000W		SNA 4000W		SNA 5000W		SNA 6000W	
Max. PV array power(W)	6000 (3000/3000)		8000 (4000/4000)		8000 (4000/4000)		8000 (4000/4000)	
Rated PV input voltage(V)					320			
Number of independent MPPT inputs					2			
PV input voltage range(V)					100 480			
MPPT voltage range(V)					120 385			
Start-up voltage(V)					100			
Max. PV input current per MPPT(A)					17/17			
Max. PV short-circuit current input per MPPT(A)					25/25			
Battery								
Compatible battery type					Lithium-ion/Lead-Acid			
Rated battery voltage(V)					48			
Battery voltage range(V)					38.4 60			
Max. charging/discharging current(A)	70		90		110		140	
Max. discharging/discharging power(W)	3000		4000		5000		6000	
Recomand capacity of battery per inverter	>100AH		>200AH		>200AH		>200AH	
Force wake up battery from PV function					YES			
Force wake up battery from Grid function					YES			
Grid								
Rated AC voltage(V)					230			
Rated AC frequency(Hz)					50/60			
Rated AC output current(A)	13.5		17.5		22		26.5	
Rated AC output power(W)	3000		4000		5000		6000	
Max. AC intput current(A)	26		35		35		39.5	
Max. AC intput power(W)	6000		8000		8000		9000	
PF					0.99			
THDI					<5%			
Rated AC current of BYPASS relays(A)					40			
UPS								
Rated output power(W)	3000		4000		5000		6000	
Rated output voltage(V)					230			
Rated output current(A)	13.5		17.5		22		26.5	
Rated output frequency(Hz)					50/60			
Surge power, duration					2Pn, <2S			
Switching time					<15ms@Single/ <30ms@Parallel			
Wave form					Sine wave			
THDV					3%			
Efficiency								
Max. MPPT efficiency					0.99			
Max. efficiency					0.93			
EU efficiency					/			
Max. charging efficiency					0.93			
Max. discharging efficiency					0.93			
Protection								
Over current/voltage protection					YES			
AC Short-circuit current protection					YES			
Grid monitoring					YES			
AC Surge protection Type III					YES			
Battery reverse polarity protection					YES			
General								
Dimensions(W*H*D)					303 x 505 x 135mm / CARTON: 440 x 240 x 600mm			
Weight					14.5kg / CARTON: 17kg			
Ingress protection rating					IP20			
Operating environment temperature range					0 50°C			
Storage temperature range					-15 60°C			
Relative humidity					5% 95%			
Display & Communication interface					LCD+LED, RS485/Wi-Fi/CAN			
Warranty					2years			
Cooling method					FAN			
Topology					Transformer-less			
Altitude					<2000m			
Noise emission(typical)					<50dB			
Standards & Certification								
IEC 62109-1, IEC 62109-2, IEC 61000								