ECO Hybrid

SNA3-5k

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

ECO Hybrid SNA 3-5K is now available for homes without grid. Inquire your local distributor, re-organize your power at home. No more blackouts.

ECO Hybrid

How it works

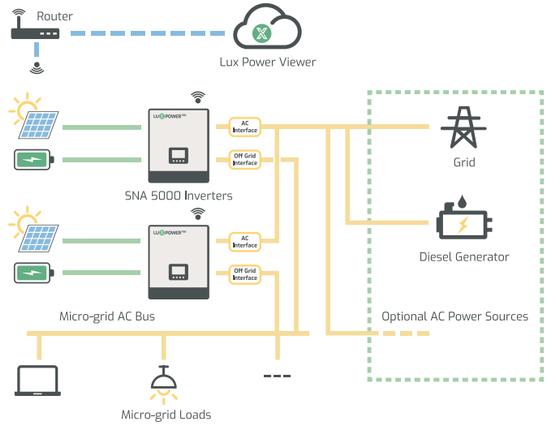
Your Reliable Energy Solution Partner

/ System Connection

Off grid system is a good solution for the area where the grid power is unstable or there is no electricity at all.

Advantage of solar power:
- Easy to install
- Efficient
- Cost-effictive
- Environment-friendly

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

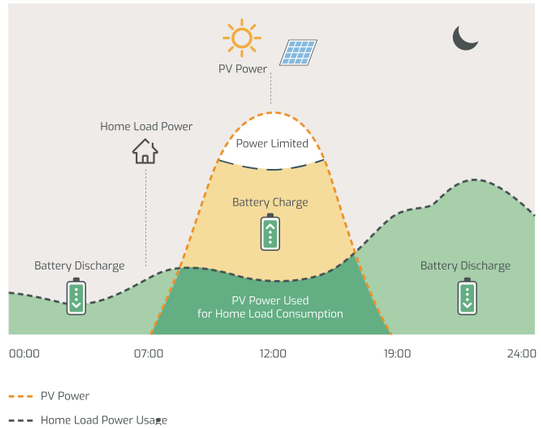


/ Working Mode

SNA 3-5kW series off grid inverters can support the system to work as a back-up power or a replacement of diesel generator. Since the inverter support paralleling function, the capacity of system can range from 3kW to 50kW. The inverter support several working modes.

Pure off-grid working mode: working as traditional off grid inverters, can set using AC first or solar first.

Hybrid working mode: working as a hybrid, support solar and utility jointly take the load, can set to self consumption mode or charge priority mode.



ECO Hybrid

SNA**3-5k**

Reclaim Your Power

- **Intelligent offgrid & hybrid modes**
- **PV & AC power loads simultaneously**
- **Wide PV input voltage range**
- **Easy to use with battery**
- **Free monitoring & remote upgrade**
- **Single phase or unbalanced three phase**
- **Advanced Parallel, up to 50kW**
- **Separate generator interface available**
- **Host inverter automatically generated to manage entire system**

Specification

Your Reliable Energy Solution Partner

Output	SNA3000	SNA4000	SNA5000
Rated power	3000W/3000VA	4000W/4000VA	5000W/5000VA
Parallel capacity	YES	YES	YES
Normal output voltage	230/240,Split phase 220/110 Vac *	230/240,Split phase 220/110 Vac *	230/240,Split phase 220/110 Vac *
Normal output frequency	50/60Hz	50/60Hz	50/60Hz
Surge power	6000VA	8000VA	10000VA
Switch time	10ms	10ms	10ms
Wave form	Pure sine wave	Pure sine wave	Pure sine wave
Battery			
Battery Type	Lithium/Lead-Acid	Lithium/Lead-Acid	Lithium/Lead-Acid
Normal Voltage	51.2V/48V	51.2V/48V	51.2V/48V
Max. Charge Voltage	59V	59V	59V
Solar			
Max. Recommended PV Power	3200W/3200W	3200W/3200W	3200W/3200W
MPPT Tracker	2	2	2
DC Input Voltage Range	100-480Vdc	100-480Vdc	100-480Vdc
MPPT Voltage Range	100-385Vdc	100-385Vdc	100-385Vdc
Start-up Voltage	120Vdc	120Vdc	120Vdc
Max. Solar Charge Current	110A	110A	110A
Max. Solar Input Current	13A/13A	13A/13A	13A/13A
Max. MPPT Efficiency	>98%	>98%	>98%
Grid			
Normal Voltage	230Vac	230Vac	230Vac
AC Voltage Range	110-280Vac	110-280Vac	110-280Vac
Max. Charge Current	60A	60A	60A
Frequency Range	50/60Hz(Auto Sensing)	50/60Hz(Auto Sensing)	50/60Hz(Auto Sensing)
General			
Dimensions(W/H/D)	330x504x135mm	330x504x135mm	330x504x135mm
Weight	14Kg	14Kg	14Kg
Protection Degree	IP20	IP20	IP20
Relative Humidity	5%~95% Relative Humidity (Non-condensing)		
Operating Temperature	0°C~50°C	0°C~50°C	0°C~50°C
Storage Temperature	-15°C~60°C	-15°C~60°C	-15°C~60°C
Inter			
Display	LCD+LED	LCD+LED	LCD+LED
Lithium Battery Communication	CAN/RS485	CAN/RS485	CAN/RS485
RS485/Dry Connector	YES/YES	YES/YES	YES/YES
Wifi/GPRS	YES/YES	YES/YES	YES/YES
Warranty	2 year	2 year	2 year

*For Split phase version