

PRODUCT BROCHURE

Solar & Energy Storage



LUX POWER TECHNOLOGY CO., LTD

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LUX POWER^{TEK}

HYBRID INVERTER

LXP 3K/3.6K/4K/4.6K/5K

LXP 4K/5K/6K HB



HIGH PERFORMANCE

Up to **80A** charge/discharge current of battery

Up to **4000W** charge/discharge power



ENHANCE UPS

Seamless switching within **0.01s** with stronger back-up output

Up to **10** units in parallel of UPS mode (MG)*



EASY TO USE

Schedulable working modes, easy installation and setting

With smaller size and lighter weight **20kg**



REMOTE MONITORING & MAINTENANCE

Remote monitoring, setting and upgrade



OPTIMIZED HEAT CONTROL

Much better heat dissipation, and much lower derating



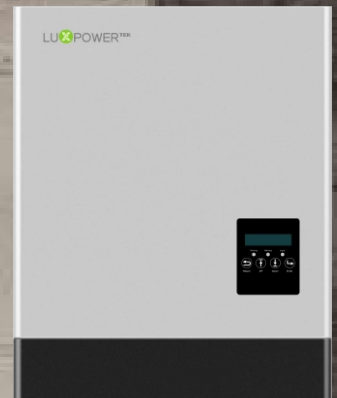
SAFER OPERATION

Protected connection area, multiple protection devices



IP65 PROTECTION

Designed for both outdoor and indoor installation



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*Free Remote Monitoring
and Management*

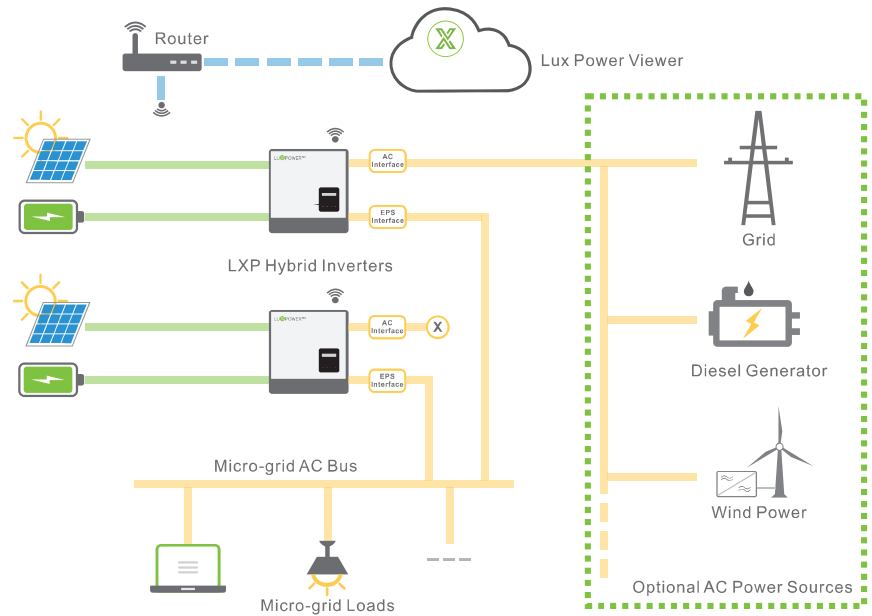
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* The model with parallel function is different from standard one, it is MG model.

LUXPOWER^{TEK}

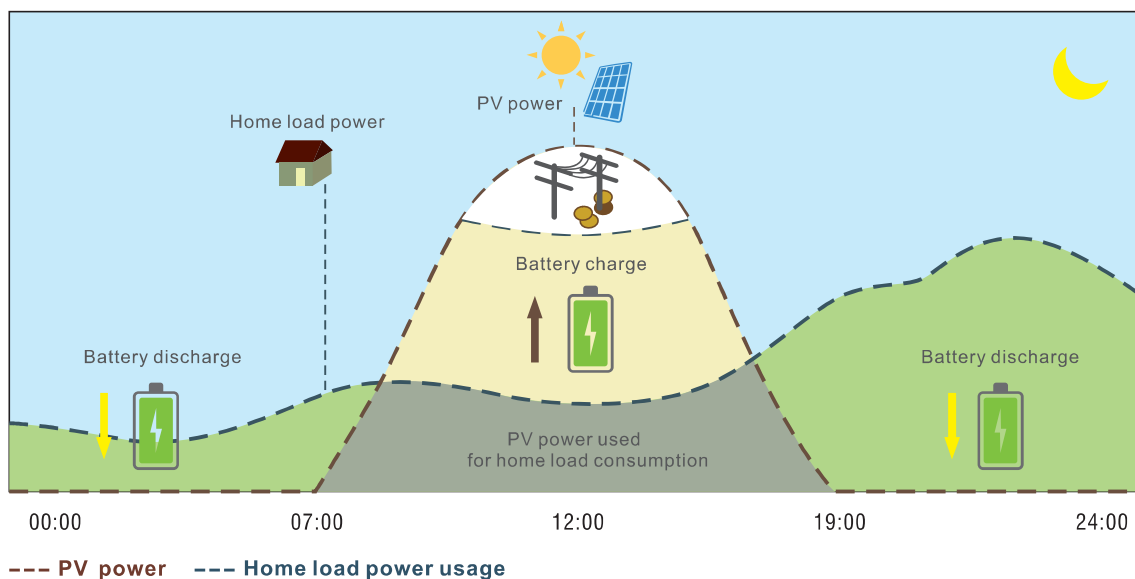
System Connection

A newly designed solar and energy storage hybrid inverter, capable to install in on-grid solar, off-grid solar and back-up systems. LXP Hybrid enables a programable and schedulable smart solar energy storage system to help increase your solar energy self-consumption rate, protect your home appliances from grid shortage, and balance your energy usage strategy to save energy bill.



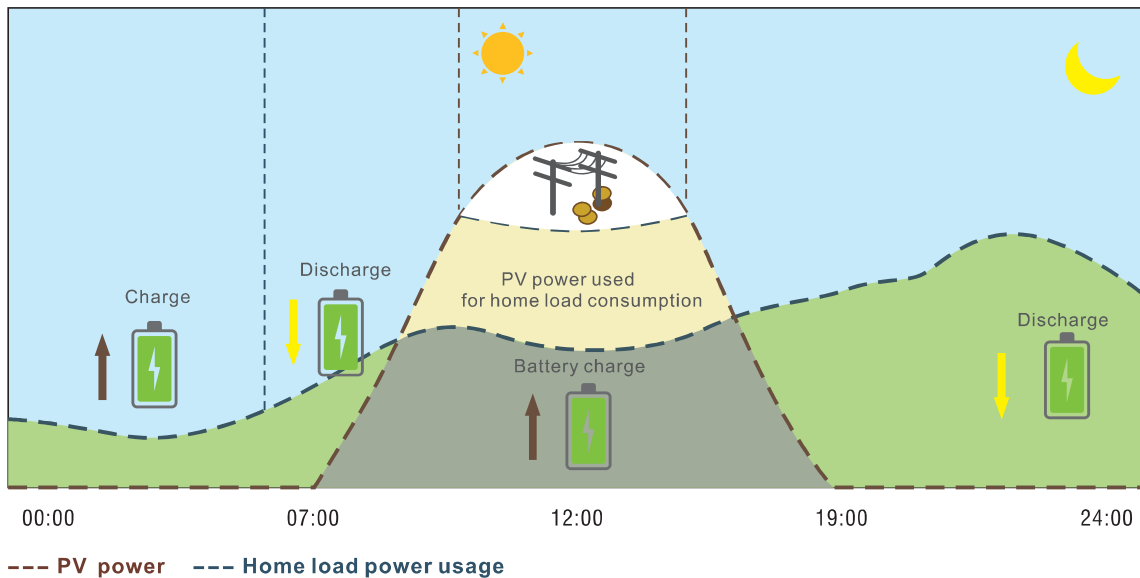
Self Consumption

Under Self Use mode the energy generated by PV will be mainly used by local loads, and rest will be stored in the battery, excessive power will be feed back into the grid. This is the default mode which will increase the self consumption rate and reduce the energy bill significantly



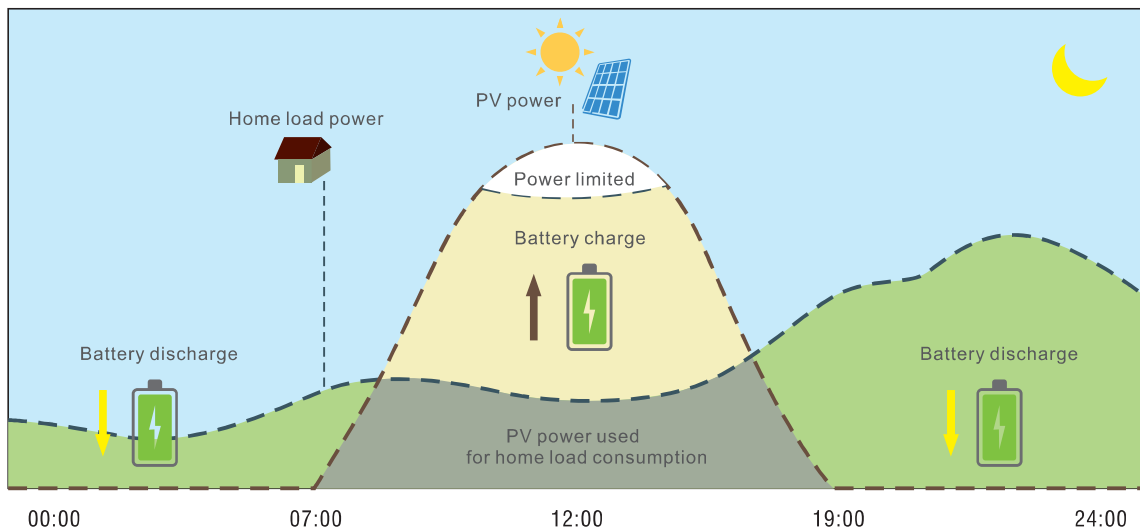
Force Time Use

This mode suits for situation where the price difference of energy is big. User can set the charging and discharging time and priority of energy use under Force Time Use mode. The user can also choose whether to charge the battery using grid power if the regulations permitted.



Off-grid Working Mode

If enabled UPS function, once the grid is protected accidentally, the UPS mode will be automatically and seamlessly activated to ensure your important loads keep working without any black out. Due to the specially designed function, it can support the system to work as a back-up power system or off-grid system. Offgrid working mode can also work when there is only PV.

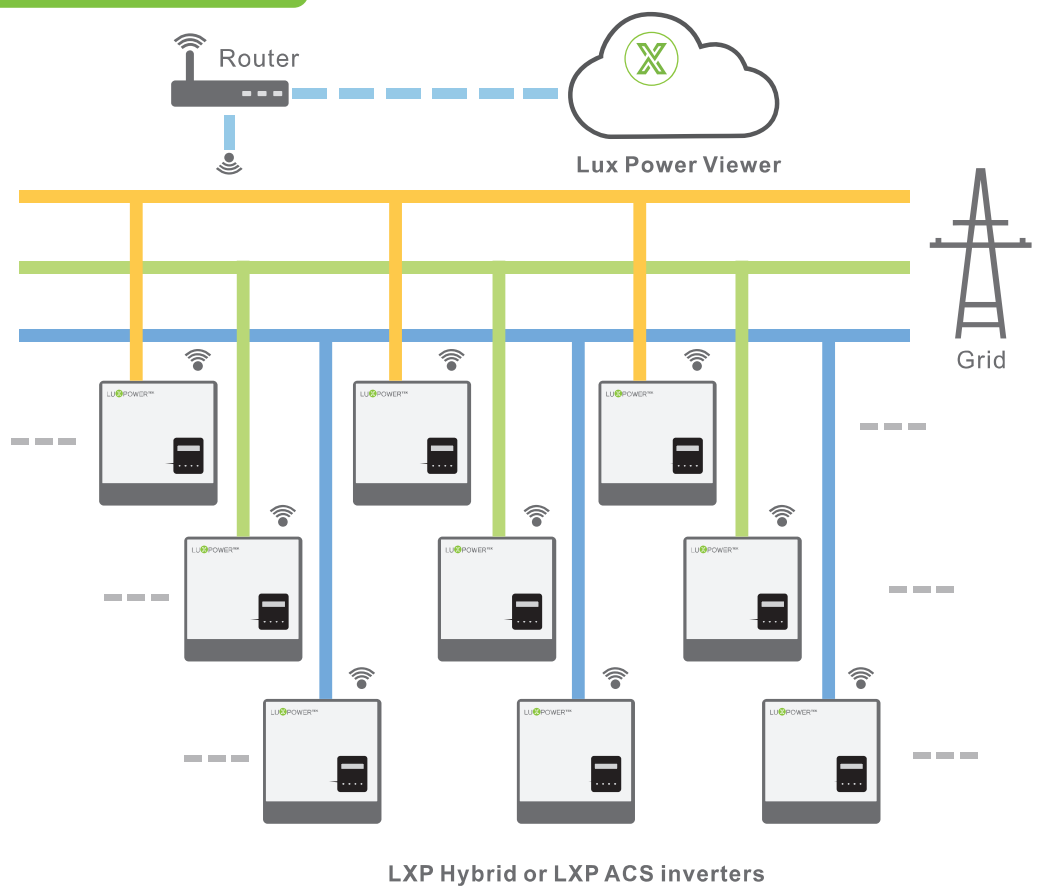


Paralleling Extensions

Paralleling LXP inverters in one phase to extend the single phase system capacity for either hybrid or AC coupled energy storage applications.

Paralleling LXP inverters (single phase inverters) to build a three phase system for either hybrid or AC coupled energy storage applications.

Smart paralleling algorithm enable multiple configurable working modes under on-grid, off-grid or micro-grid applications.



Micro-grid Systems

Capable with micro-grid applications with various AC power sources

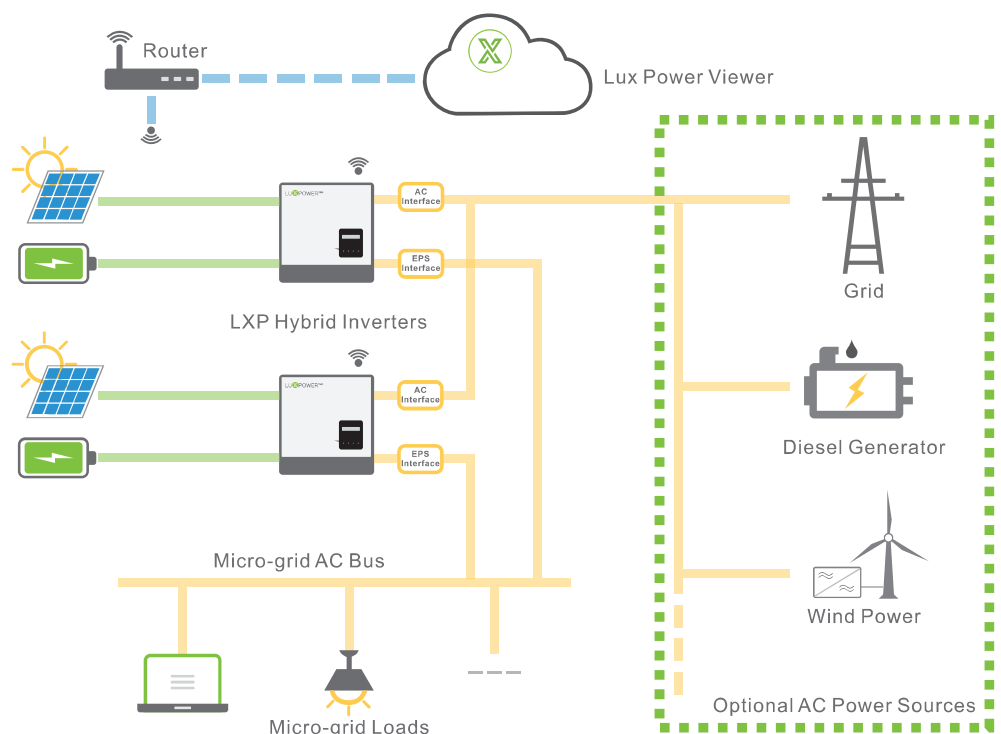
Multiple configuration available to various applications of micro-grid solution

Support multiple type of loads, Such as air conditioner, refrigerator

Flexible programmable working modes, support scheduling on system operation

System extendable

Support purely off-grid installation



Solar Input	LXP3K	LXP3.6K	LXP4K	LXP4.6K/5K
Max. DC Input Power	6600W	7000W	7000W	8000W
Nominal DC Input Voltage	360V.d.c	360V.d.c	360V.d.c	360V.d.c
DC Input Voltage Range	100 - 550V.d.c	100 - 550V.d.c	100 - 550V.d.c	100 - 550V.d.c
MPPT Voltage Range	120 - 500V.d.c	120 - 500V.d.c	120 - 500V.d.c	120 - 500V.d.c
Start-up Voltage	140V.d.c	140V.d.c	140V.d.c	140V.d.c
MPPT Number	2	2	2	2
Max. DC Input Current	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A
Battery Input/Output				
Compatible Battery Type	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid
Nominal Battery Voltage	48V.d.c	48V.d.c	48V.d.c	48V.d.c
Battery Voltage Range	40 - 60V.d.c	40 - 60V.d.c	40 - 60V.d.c	40 - 60V.d.c
Max. Charge/Discharge Current	66A/66A	66A/66A	80A/80A	80A/80A
Max. Charge/Discharge Power	3600W/3600W	3600W/3600W	4000W/4000W	4000W/4000W
Charging Curve	3 stages	3 stages	3 stages	3 stages
Max. Charge Voltage	59V	59V	59V	59V
Capacity of Battery	2-20kWh	2-20kWh	2-20kWh	2-20kWh
AC Input/Output				
Nominal AC Output Power	3000W	3600W	4000W	4600W/5000W
Max. AC Output Power	3000VA	3600VA	4000VA	4600VA/5000VA
Max. AC Output Current	15A	16A	20A	25A
Nominal AC Voltage	230V.a.c	230V.a.c	230V.a.c	230V.a.c
AC Voltage Range	180 - 270V.a.c	180 - 270V.a.c	180 - 270V.a.c	180 - 270V.a.c
Nominal AC Frequency	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz
AC Frequency Range	45 - 55Hz / 55 - 65Hz	45 - 55Hz / 55 - 65Hz	45 - 55Hz / 55 - 65Hz	45 - 55Hz / 55 - 65Hz
Power Factor	>0.99@rated power 0.8lagging-0.8 leading Adjustable			
THDI	<3%	<3%	<3%	<3%
UPS Output - with Battery				
UPS Max. Output Power without Solar	3000W	3600W	4000W	4000W
UPS Max. Output Power with Solar	3000W	3600W	4000W	5000W
UPS Nominal Output Voltage	230V.a.c	230V.a.c	230V.a.c	230V.a.c
UPS Nominal Output Frequency	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz	50Hz / 60Hz
UPS Nominal Output Current	13A	15.6A	17.4A	17.4A
Peak Power Without Solar	4500W, 30s	4500W, 30s	4500W, 30s	4500W,30s
THDV	<3%@R-load	<3%@R-load	<3%@R-load	<3%@R-load
Switching Time	Typical 0.01s	Typical 0.01s	Typical 0.01s	Typical 0.01s
Efficiency				
Europe Efficiency	97.5%	97.5%	97.5%	97.5%
Max. Efficiency	97.9%	97.9%	97.9%	97.9%
Battery Charge/Discharge Efficiency	94.5%	94.5%	94.5%	94.5%
Protection				
Reverse Polarity Protection	Yes	Yes	Yes	Yes
Over Current/Voltage Protection	Yes	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes	Yes
AC Short-circuit Protection	Yes	Yes	Yes	Yes
Leakage Current Protection	Yes	Yes	Yes	Yes
Ground Fault Monitoring	Yes	Yes	Yes	Yes
Grid Monitoring	Yes	Yes	Yes	Yes
Ingress Protect Degree	IP65 / NEMA4X	IP65 / NEMA4X	IP65 / NEMA4X	IP65 / NEMA4X
DC Switch	Integrated	Integrated	Integrated	Integrated
General Data				
Dimensions (W/H/D)	455 / 476 (565) / 181	455 / 476 (565) / 181	455 / 476 (565) / 181	455 / 476 (565) / 181
Weight	20 kg	20 kg	20 kg	20 kg
Topology	Tranformerless (solar), HF (Battery)	Tranformerless (solar), HF (Battery)	Tranformerless (solar), HF (Battery)	Tranformerless (solar), HF (Battery)
Cooling Concept	Natural Convection	Natural Convection	Natural Convection	Natural Convection
Relatively Humidity	0-100%	0-100%	0-100%	0-100%
Operating Temperature Range	-25 - 60 ℃	-25 - 60 ℃	-25 - 60 ℃	-25 - 60 ℃
Altitude	<2000m	<2000m	<2000m	<2000m
Noise Emission	<25dB	<25dB	<25dB	<25dB
Standby Consumption	<10W	<10W	<10W	<10W
Display & Communication Interfaces	LCD, RS485, Wi-Fi, Ethernet	LCD, RS485, Wi-Fi, Ethernet	LCD, RS485, Wi-Fi, Ethernet	LCD, RS485, Wi-Fi, Ethernet
Certification & Approvals				
AS 4777, VDE-AR-N4105, VDE0126, G83, G59,EN50438, EN50549, CEI0-21, CEI0-16,NRS097 IEC62109-1-2, IEC62040, EN61000-6-1, EN61000-6-2, EN61000-6-3				

Solar Input	LXP4K HB	LXP5K HB	LXP6K HB
Max. DC Input Power	7000W	8000W	8000W
Nominal DC Input Voltage	360V.d.c	360V.d.c	360V.d.c
DC Input Voltage Range	100 - 550V.d.c	100 - 550V.d.c	100 - 550V.d.c
MPPT Voltage Range	120 - 500V.d.c	120 - 500V.d.c	120 - 500V.d.c
Start-up Voltage	140V.d.c	140V.d.c	140V.d.c
MPPT Number	2	2	2
Max. DC Input Current	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A

Battery Input/Output			
Compatible Battery Type	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid
Nominal Battery Voltage	250V.d.c	250V.d.c	250V.d.c
Battery Voltage Range	90 - 450V.d.c	90 - 450V.d.c	90 - 450V.d.c
Max. Charge/Discharge Current	20A/20A	20A/20A	25A/25A
Max. Charge/Discharge Power	4000W/4000W	5000W/5000W	6000W/6000W
Charging Curve	3-stages	3-stages	3-stages

AC Input/Output			
Nominal AC Output Power	4000W	5000W	6000W
Nominal AC Output Current	17.5A	21.7A	26A
Max. AC Output Current	22A	27A	30A
Nominal AC Voltage	230V	230V	230V
Optional AC Voltage Range	180~270Vac	180~270Vac	180~270Vac
Nominal AC Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
AC Frequency Range	45-55Hz/55-65Hz	45-55Hz/55-65Hz	45-55Hz/55-65Hz
Power Factor	>0.99@rated power 0.8lagging-0.8 leading Adjustable		
THDI	<3%	<3%	<3%

UPS Output - with Battery			
UPS Nominal Power	4000W	5000W	6000W
UPS Nominal Voltage	230Vac	230Vac	230Vac
UPS Nominal Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
UPS Nominal Current	17.5A	21.7A	26A
Peak Power	5000W, 30s	6200W, 30s	6900W, 30s
THDV	<3%@R-load	<3%@R-load	<3%@R-load
Switching Time	Typical 0.01s	Typical 0.01s	Typical 0.01s

Efficiency			
Europe Efficiency	96.5%	96.3%	96.3%
Max. Efficiency	97.5%	97.5%	97.5%
Max. Charge/Discharge Efficiency	97%/96.6%	97%/96.6%	97%/96.6%

Protection			
Reverse Polarity Protection	Yes	Yes	Yes
Over Voltage,Over Current	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes
AC Short-circuit Protection	Yes	Yes	Yes
Leakage Current Protection	Yes	Yes	Yes
Ground Fault Monitoring	Yes	Yes	Yes
Grid Monitoring	Yes	Yes	Yes
Ingress Protect Degree	IP65 / NEMA4X	IP65 / NEMA4X	IP65 / NEMA4X
DC Switch	Integrated	Integrated	Integrated

General Data			
Dimensions (W/H/D)	455 / 476(565) / 181	455 / 476(565) / 181	455 / 476(565) / 181
Weight	20 kg	20 kg	20 kg
Topology	Transformerless	Transformerless	Transformerless
Cooling Concept	Natural Convection	Natural Convection	Natural Convection
Relatively Humidity	0-100%	0-100%	0-100%
Operating Temperature Range	-25 - 60 ℃	-25 - 60 ℃	-25 - 60 ℃
Altitude	<2000m	<2000m	<2000m
Noise Emission	<25dB	<25dB	<25dB
Standby Consumption	<10W	<10W	<10W
Display/Communication Interface	LCD/LED/RS485/ Wi-Fi/ CAN	LCD/LED/RS485/ Wi-Fi/ CAN	LCD/LED/RS485/ Wi-Fi/ CAN

Certification & Approvals	CEI 0-21 IEC62109-1-2, IEC62040, EN61000-6-1, EN61000-6-2, EN61000-6-3
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OFF-GRID INVERTER

SONAR 3K/4K/5K

SONAR 3K/4K/5K WPV



Support Li-ion battery, advanced battery management integrated for Lead-acid battery



Advanced paralleling technical to support 9 units paralleling

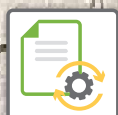


2 MPPT charger controllers integrated with HV and LV MPPT models



WIFI/GPRS remote monitoring, setting and upgrade

Local monitoring, setting, upgrade supported



Flexible working modes with settable charge and load power supply priority

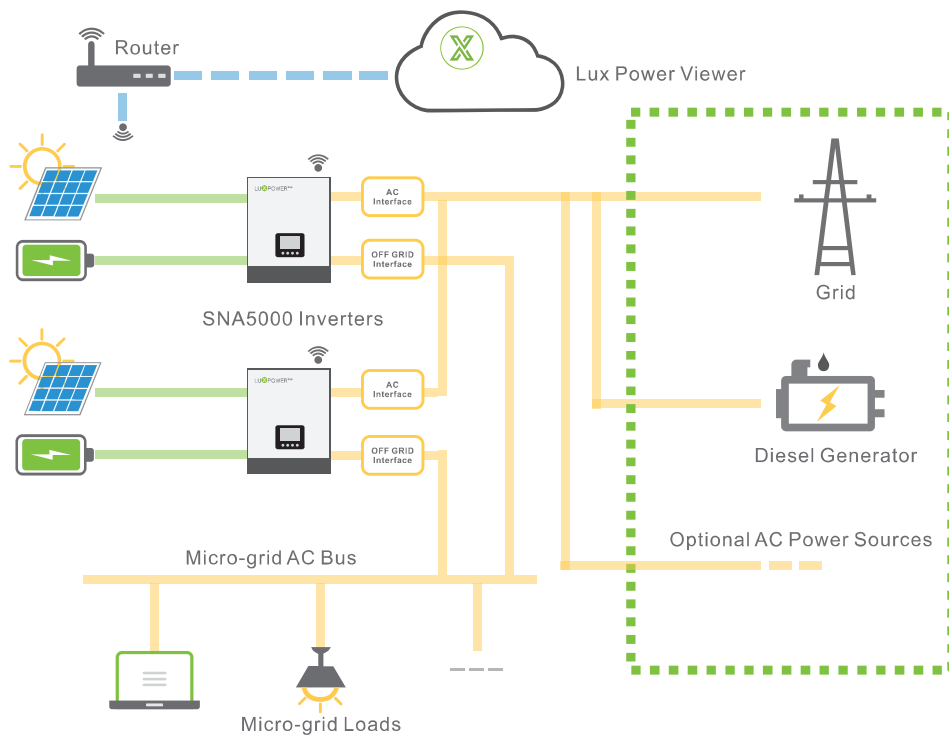
Support solar and AC take the load jointly, working as hybrid



Support mirco grid system with seperate generator input terminal, and can remote control generator



Solution



Off grid system is a good solution for the area where is no electricity, shortcomings or with unstable power

Advantage of photovoltaic power:

- ▶ economic
- ▶ clean
- ▶ environmentally friendly
- ▶ noise-free

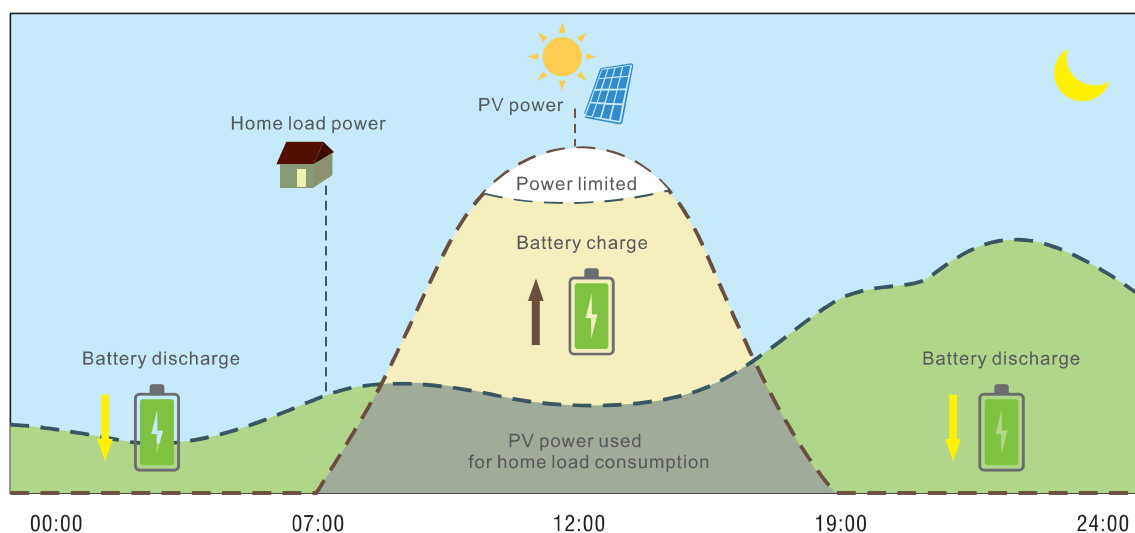
Can partially or completely replace diesel generator. System Capacity: 3-50kW

Working Modes

SNA5k serial 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 output to utility first, battery 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.



Output Data	SNA 3000	SNA 4000	SNA 5000
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
Waveform	Pure sine wave	Pure sine wave	Pure sine wave

Battery Data			
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 Charger Data			
Max. Recommended PV Power	4500W	4500W	5000W
MPPT Tracker	2	2	2
Max. PV Open Circuit Voltage	145Vdc	145Vdc	145Vdc
MPPT Voltage Range	60-115Vdc	60-115Vdc	60-115Vdc
Max. Solar Charge Current	80A	80A	80A
Max. MPPT Efficiency	>98%	>98%	>98%
Parallel MPPT Charger	YES	YES	YES

AC Charger Data			
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 Data			
Dimensions(W/H/D)	504x330x135mm	504x330x135mm	504x330x135mm
Weight	14Kg	14Kg	14Kg
Protection Degree	IP 20	IP 20	IP 20
Relative Humidity	5%~95% Relative Humidity(Non-condensing)		
Operating Temperature	0~50℃	0~50℃	0~50℃
Storage Temperature	-15℃~60℃	-15℃~60℃	-15℃~60℃

Interfaces			
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	2years	2years	2years

*For Split phase version

Output Data	SNA 3000 WPV	SNA 4000 WPV	SNA 5000 WPV
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
Waveform	Pure sine wave	Pure sine wave	Pure sine wave

Battery Data			
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 Charger Data			
Max. Recommended PV Power	6000W	6000W	6000W
MPPT Tracker	2	2	2
Max. PV Open Circuit Voltage	480Vdc	480Vdc	480Vdc
MPPT Voltage Range	100-385Vdc	100-385Vdc	100-385Vdc
Max. Solar Charge Current	100A	100A	100A
Max. MPPT Efficiency	>98%	>98%	>98%
Parallel MPPT Charger	YES	YES	YES

AC Charger Data			
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 Data			
Dimensions(W/H/D)	504x330x135mm	504x330x135mm	504x330x135mm
Weight	14Kg	14Kg	14Kg
Protection Degree	IP 20	IP 20	IP 20
Relative Humidity	5%~95% Relative Humidity(Non-condensing)		
Operating Temperature	0~50℃	0~50℃	0~50℃
Storage Temperature	-15℃~60℃	-15℃~60℃	-15℃~60℃

Interfaces			
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	2years	2years	2years

* For split phase version

AC COUPLED ESS INVERTER

LXP 3600 ACS



HIGH PERFORMANCE

Up to **70A** Charge/Discharge current of battery

Up to **3600W** Charge/Discharge power of grid

Up to **96%** Efficiency of Charge/Discharge With High Frequency Isolation



ENHANCE UPS

Seamless switching within **0.01s** with stronger back-up output

Up to **36kW** capacity of UPS in parallel (MG)*

* The model with parallel function is different from standard one, it is MG model.



EASY TO USE

Schedulable working modes, easy installation and setting



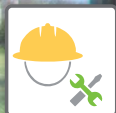
REMOTE MONITORING & MAINTENANCE

Remote monitoring and upgrade



OPTIMIZED HEAT CONTROL

Much better heat dissipation, and much lower derating



SAFER OPERATION

Protected connection area, multiple protection devices



IP65 PROTECTION

Designed for both outdoor and indoor installation



LXP 3600 ACS

AC coupled energy storage inverter, specially designed for retrofitting solar system. By simply install an AC coupled energy storage system based on this inverter at the AC output of on-grid solar system, you could retrofit your existed on-grid solar system to a solar energy storage system and increase the solar self-consumption rate, enhanced UPS back-up function and reduce energy bill.

Battery Input/Output		3.6K ACS
Compatible Battery Type	Lithium-ion, Lead-Acid etc.	
Nominal Battery Voltage	48V.d.c	
Max. Charging Voltage(V)	< = 60 V(Configurable)	
Max. Charge/Discharge Current	70A / 70A	
Battery Capacity(Ah)	> 100Ah	
Charging Mode for Li-Ion Battery	Self-adaption to BMS	
Charging for Lead-acid Battery	3-stage adaptive with maintenance	
Battery Back Feed Current	0A	

AC Input/Output	
Nominal AC Output Power to Utility	3600VA
Max. AC Output Power to Utility	3600VA
Max. AC Input Power from Utility	5980VA
Max. AC Output Current to Utility	16A
Max. AC Input Current From Utility	26A
Nominal Output Voltage	220/230V.a.c
AC Voltage Range	180 - 270V.a.c
Nominal AC Frequency	50Hz/60Hz
AC Over Current Protection	31A
Power Factor	1 (adjustable 0.8leading -0.8lagging)
THDI	< 3%
AC Over Voltage Category	Category III

UPS Output	
Max. Output Power	3600VA
Nominal Output Voltage	230V.a.c
Nominal Output Frequency	50Hz / 60Hz
Max. Output Current	16A
Peak Power	4500VA, 30s
THDV(linear load)	< 3%
Switching Time	Typical 0.01s
Back-up Over Current Protection	31A

Efficiency	
Max. Charge/Discharge Efficiency	96%

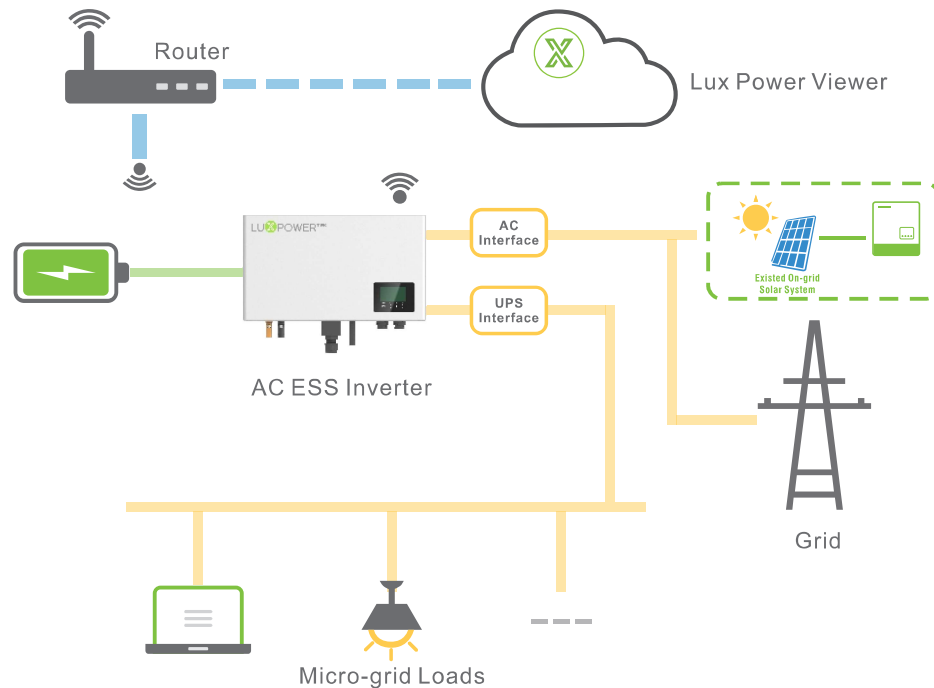
Protection	
Reverse Polarity Protection	Yes
Over Current/Voltage Protection	Yes
Anti-islanding Protection	Yes
AC Short-circuit Protection	Yes
Leakage Current Protection	Yes
Ground Fault Monitoring	Yes
Grid Monitoring	Yes
Ingress Protection Degree	IP65 / NEMA4X

General Data	
Dimension (W/H/D)	565 / 324 / 171
Weight	15.6 kg
Topology	HF
Cooling Concept	Natural Convection
Relatively Humidity	100%
Altitude	< 2000m
Noise Emission	< 25dB
Standby Consumption	< 5W
Display & Communication Interfaces	LCD, LED, RS485, Wi-Fi, CAN

Certification & Approvals	
G83, G100, CE, SAA EN61000-6-3	

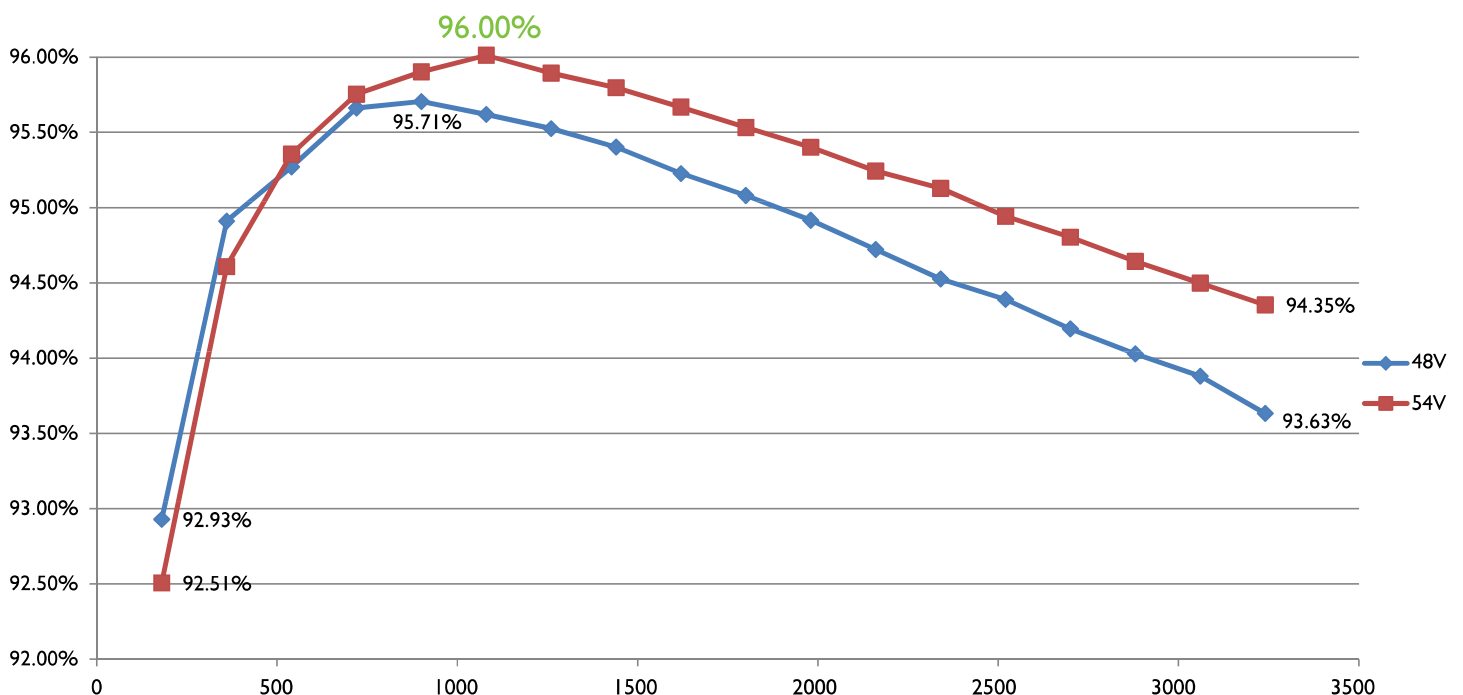
System Connection

To retrofit existed on-grid solar system to solar energy storage hybrid system could not be easier than install a LXP AC series inverter coupled on AC side with a battery pack.



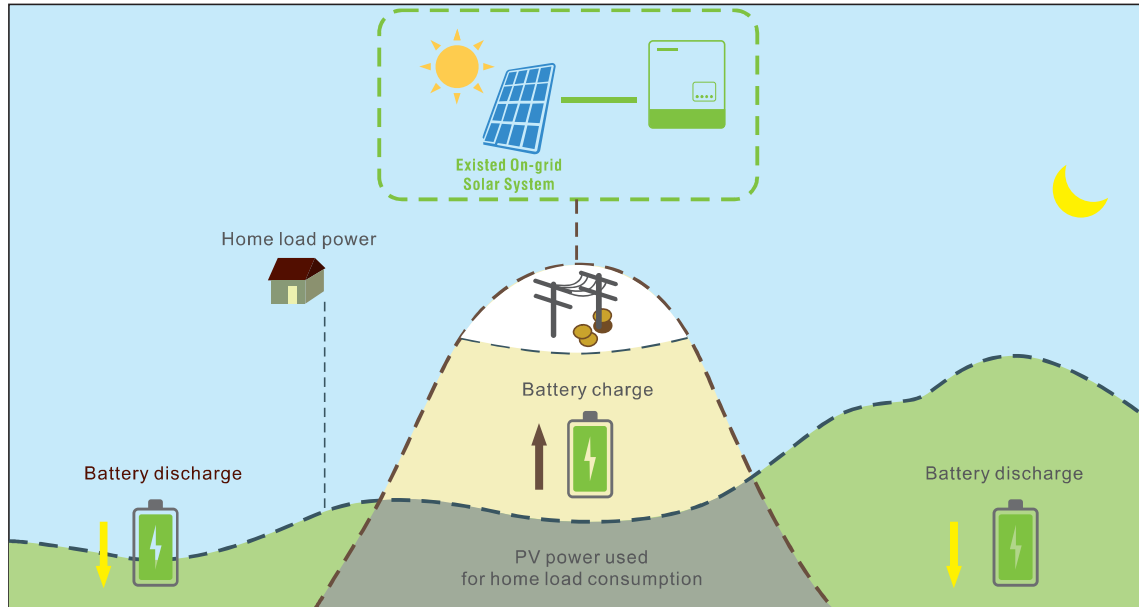
Charge/Discharge Efficiency Cuv

Discharge & Charge Efficiency @230Vac 50Hz



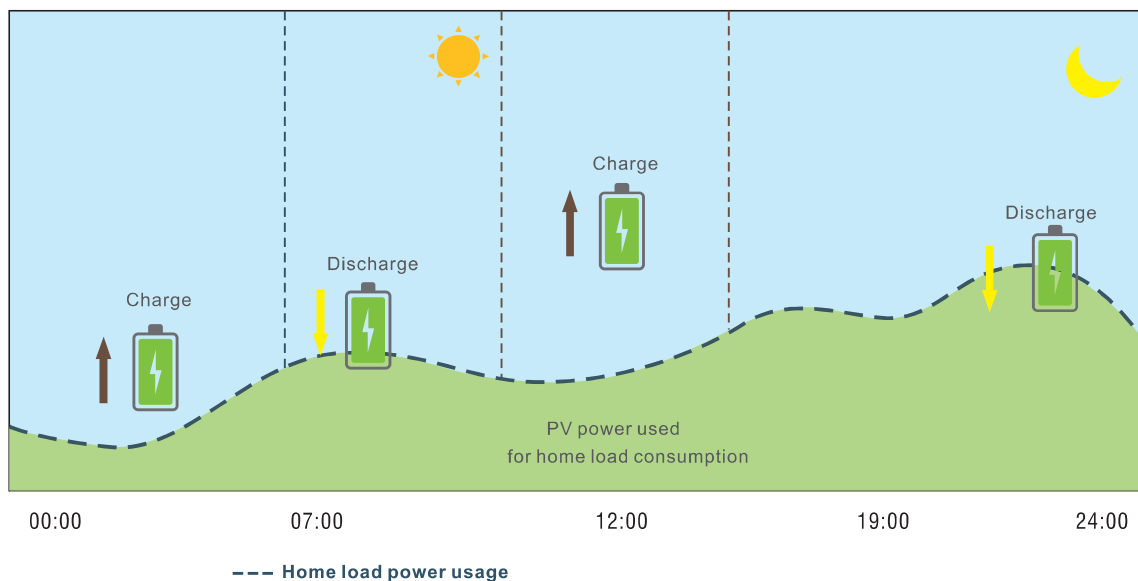
Self Consumption

Under Self Use mode, AC coupled inverter will detect the power of on-grid inverter generated, which will be used by local loads first, and rest will be stored in the battery by using AC coupled inverter, excessive power will be feed back into the grid. This is the default mode which will increase the self consumption rate and reduce the energy bill significantly



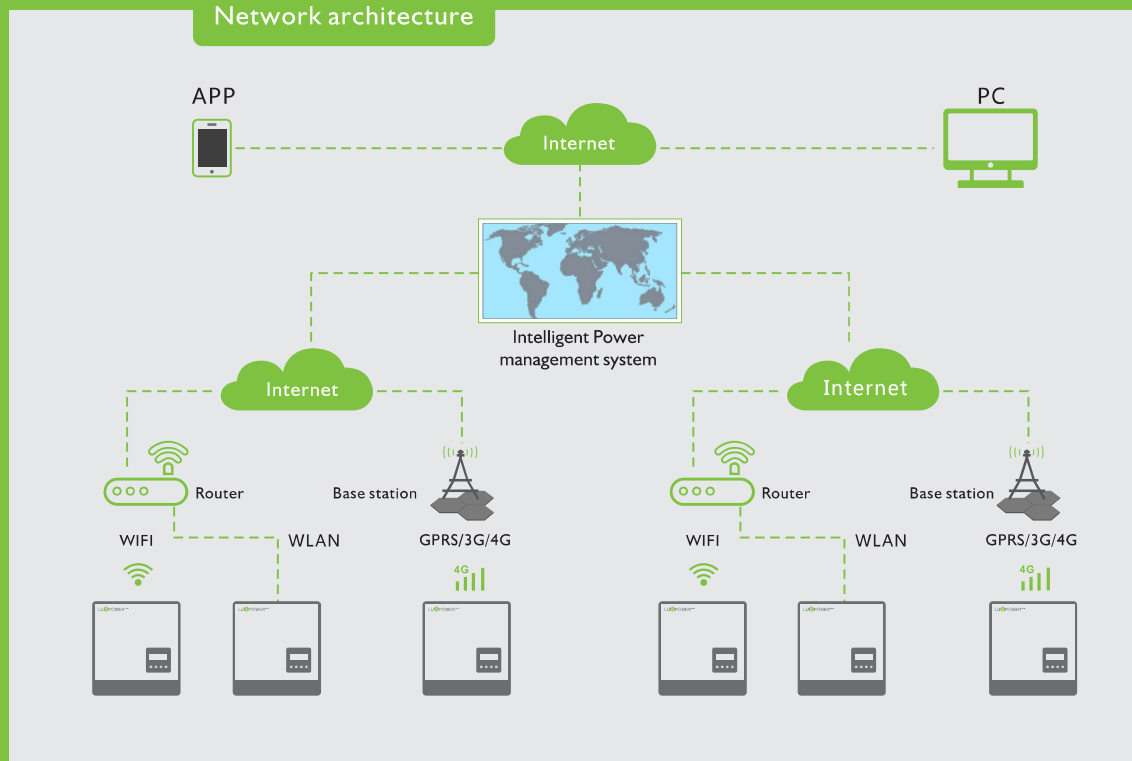
Force Time Use

This mode suits for situation where the price difference of energy is big. User can set the charging and discharging time and priority of energy use under Force Time Use mode. The user can also choose whether to charge the battery using grid power if the regulations permitted.

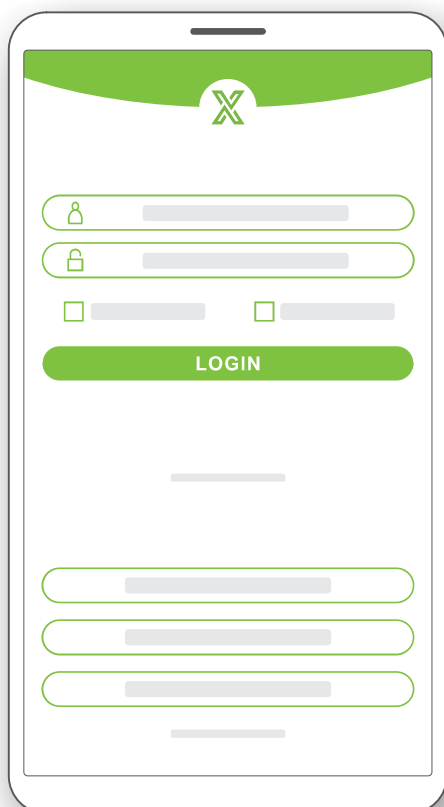


Intelligent Monitor System

Network architecture



LuxPower View



Android APP



IOS APP

Monitoring Features



Real-time monitoring and Management platform based on smart cloud technology



Advanced remote upgrade and management function for easy usage, maintenance and services



Real-time running data stored locally in the inverter for up to 30 days when wifi or LAN monitoring connection disconnected



One-click WIFI connection and much easier operation on the monitoring and management platform.



Multi-level system monitoring and management



Available for Web, iOS and Android system.

Certificate

Attestation of Conformity

Equipment: Hybrid Inverter
Brand Name: LUOPOWER™
Test Model No.: LXP-3K hybrid, LXP-4K hybrid, LXP-4K hybrid
Applicant: ShenZhen Lux Power Technology Co., LTD
Room 403, 4th Floor, Building 63, Zhongguo New Industrial Park, Zhongguo Community/Hangcheng Street, Baoan District, Shenzhen
Report No.: PVCE170303034

Use in accordance with regulations:
Power generation systems connected to the low-voltage distribution network.
Technical minimum requirements for the connection to and parallel operation with low-voltage distribution networks.

Applied rules and standards:
DNV VDE V 0124-100 VDE V 0124-100:2012-07 – Grid integration of power generation systems – Low voltage
Test requirements for generation units to be connected and parallel operation with the low voltage distribution networks.

VCE-AP-N 4105:2011-08 – Power generation systems connected to the low-voltage distribution network
Technical minimum requirements for the connection to and parallel operation with low-voltage distribution networks.

Name: Ted Wu
Senior Manager PV Inverter Team
Date: 2018-03-10

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Information given in this document is related to the tested specimen of the described electrical sample.

Certificate of Conformity

Certificate No.: 178AP030303034006
Equipment: Hybrid Inverter
Brand Name: LUOPOWER™
Test Model No.: LXP-3K hybrid, LXP-4K hybrid, LXP-4K hybrid, LXP-5K hybrid
Applicant: ShenZhen Lux Power Technology Co., LTD
Room 403, 4th Floor, Building 63, Zhongguo New Industrial Park, Zhongguo Community/Hangcheng Street, Baoan District, Shenzhen
Report No.: PVCE170303034-2

The submitted sample of the above equipment has been tested for CE marking according to following European Directive and standards:

- Low Voltage Directive 2014/35/EU

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive.
This verification does not imply assessment of the production of the product. The CE marking may be affixed if all relevant and effective European Directives with CE are applicable.

Applied rules and standards:
IECEN 62109-1:2010
Safety of power converters for use in photovoltaic power systems – Part 1: General requirements
IECEN 62109-2:2011
Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters
IECEN 62109-3:2010
Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS

Name: Ted Wu
Senior Manager PV Inverter Team
Date: 2018-03-10

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Information given in this document is related to the tested specimen of the described electrical sample.

Certificate of Conformity

Certificate No.: 178AP030303034001
Equipment: Hybrid Inverter
Brand Name: LUOPOWER™
Test Model No.: LXP-3K hybrid, LXP-4K hybrid, LXP-4K hybrid, LXP-5K hybrid
Applicant: ShenZhen Lux Power Technology Co., LTD
Room 403, 4th Floor, Building 63, Zhongguo New Industrial Park, Zhongguo Community/Hangcheng Street, Baoan District, Shenzhen
Report No.: PVCE170303034-1

Use in accordance with regulations:
Power generation systems connected to the low-voltage distribution network.

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Applied rules and standards:
DNV VDE V 0124-100 VDE V 0124-100:2012-07 – Grid integration of power generation systems – Low voltage
Automatic disconnection device between a generator and the public low-voltage grid

Name: Ted Wu
Senior Manager PV Inverter Team
Date: 2018-03-10

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Information given in this document is related to the tested specimen of the described electrical sample.

Test Verification of Conformity

Verification Number: 180906030GU-001

On the basis of the tests undertaken, the sample of the below product has been found to comply with the requirements of the referenced specifications/standards at the time the tests were carried out. This verification is part of the full test report and should be read in conjunction with it.

Applicant Name & Address: ShenZhen Lux Power Technology Co., LTD
Room 403, 4th Floor, Building 63, Zhongguo New Industrial Park, Zhongguo Community/Hangcheng Street, Baoan District, Shenzhen, China
Product Description: Hybrid Inverter
Rating & Principle Characteristics: See Appendix to Test Verification of Conformity
Model/Type Reference: LXP-3K hybrid, LXP-4K hybrid, LXP-4K hybrid, LXP-4K hybrid, LXP-5K hybrid
Brand Name: LUOPOWER™
Specification/Standard: EN 62109-1:2010 Requirements for safety generating plant to be connected in parallel with public low-voltage distribution networks
Type approval for Turkey and the default interface settings are applied for all CE/UL/IEC members that do not have specific settings and requirements.
Intertek Testing Services (Shanghai) Ltd., Guangzhou Branch
Name & Address: Block E, No. 2, Guangzhou Software Science Park, Guangzhou, Guangdong, China
Test Report Number: CN-PT-190006-001
Additional Information in Appendix

Signature:
Name: Gudy Ye
Position: Manager
Date: 23 Jan, 2019

Dichiarazione di conformità alle prescrizioni alla Norma CE-21

NOME ORGANISMO CERTIFICAZIONE: Bureau Veritas Consumer Products Services Germany GmbH
Accreditamento: DIN, D-26120 Oldenburg, DE. DIN 01-0000017000

OGGETTO: LXP-3K hybrid, LXP-4K hybrid, LXP-4K hybrid, LXP-4K hybrid, LXP-5K hybrid
Data validità: 11-06-2019

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Application



“

*Where sun shined
Power always on*

”