LUXPOWERTEK

Hybrid Series

- Hybrid LXP 3-6kW
- Hybrid LXP-LB-US 12kW
  LXP-LB-EU 12kW
  LXP-HB-US 12kW
  LXP-HB-EU 12kW
- Hybrid LXP 4-6kW HB
- ECO Hybrid SNA 3-5kW

How it works

/ System Connection

A newly designed solar and energy storage hybrid inverter, installed in on-grid solar, off-grid solar and back-up systems.

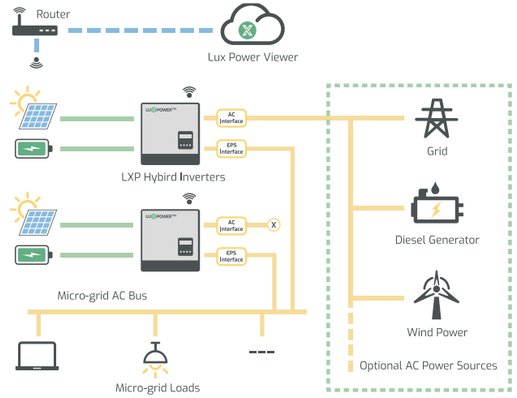
LXP Hybrid enables a programmable and schedulable smart solar energy storage system to help increase your solar energy self-consumption rate, protect your home appliances from grid outage, and balance your energy usage strategy to save energy bill.

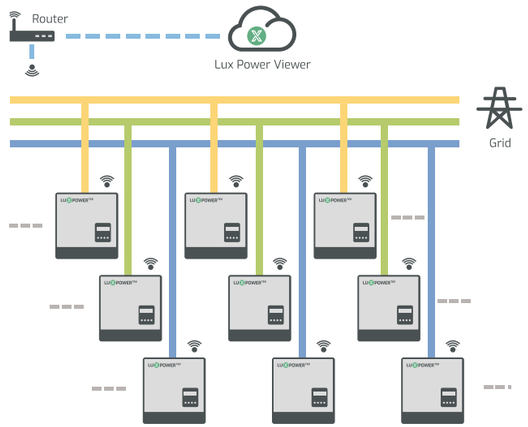
/ Parallel Connection

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.

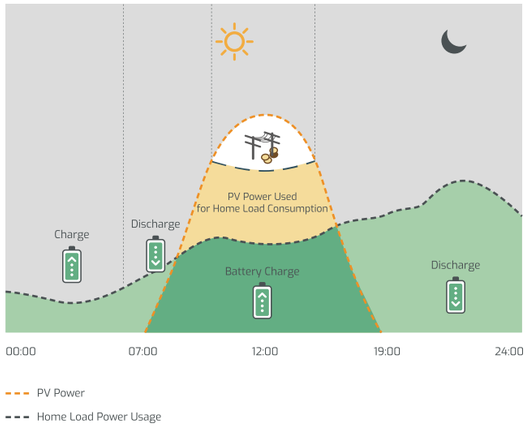




LXP Hybird or LXP ACS inverters

Hybrid Series

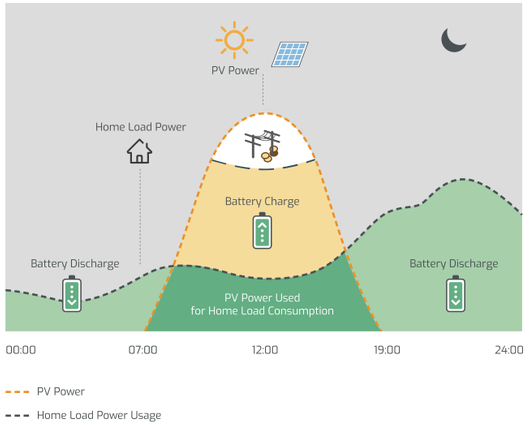
How it works



/ Force Time Use

Force time use mode, where there is a big difference tariff times.

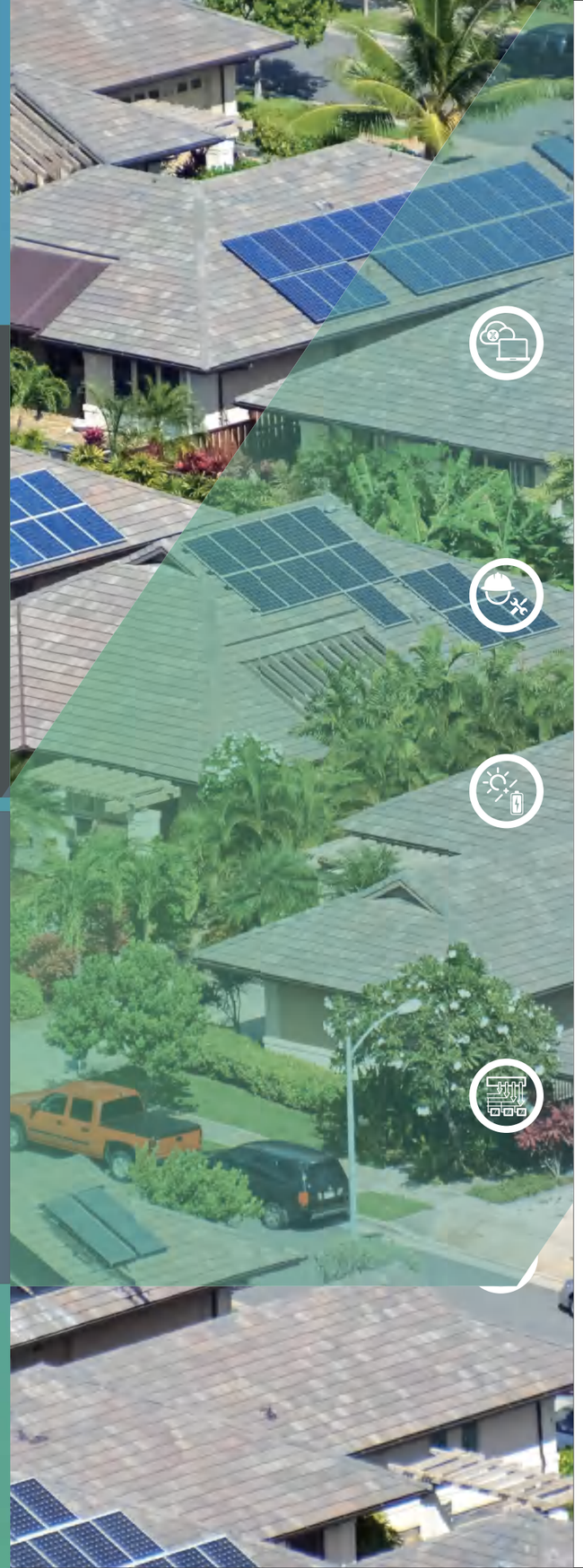
This mode suits for situation where the price difference of energy is big. User can set the charging and discharging time and priority of energy use under Force Time Use mode. The user can also choose whether to charge the battery using grid power if the regulations permitted.



/ Self Consumption

Under self consumption 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 fed back into the grid.

This is the default mode which will increase the self consumption rate and reduce the energy bill significantly.



Your Reliable
Energy Solution
Partner

Hybrid Series

Intelligent working modes

- Self consumption mode for high tariff areas
- Charge priority mode for areas where grid power is unstable
- Force charge & discharge mode for areas where tariff varies by time

Smart EPS

- Plug & Play, seamless switching under 10ms
- Sufficient backup power for emergency use

Easy to use with battery

- Remote upgrade BMS firmware
- Wide range of compatible battery brands
- Wake up lithium battery from sleep mode
- Essential info uploaded to Lux server for quick ESS diagnosis
- Battery sharing with multi-inverters in single phase or three phase

Advanced Parallel

- Up to 10 units parallel, expandable to 120kW
- Single phase and unbalanced three phase paralleling

Key Features

- Light, fast & easy installation
- Free & handy monitoring on mobile / PC
- Multi phases output on differnt hybrid models
- Generator interface available

Hybrid Inverter

LXP**3-6k**

- Intelligent working modes
- Stronger EPS
- Easy to use with battery
- Advanced Parallel, up to 60kW
- IP65, indoor & outdoor use
- Plug & Play, seamless switching under 10ms

Specification

Your Reliable Energy Solution Partner

Solar	LXP3K	LXP3.6K/4k	LXP4.6K/5K	LXP6K
Max. DC Input Power	6600W	7000W	8000W	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	100 - 500V.d.c	100 - 500V.d.c	100 - 500V.d.c	100 - 500V.d.c
Start-up Voltage	120V.d.c	120V.d.c	120V.d.c	120V.d.c
MPPT Number	2	2	2	2
Max. DC Input Current	13A/13A	13A/13A	13A/13A	13A/13A
Battery				
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
Grid				
Nominal AC Output Power	3000W	3600W/4000W	4600W/5000W	6000W
Max. AC Output Power	3000VA	3600VA/4000VA	4600VA/5000VA	6000VA
Max. AC Output Current	15A	16A/20A	25A	26A
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	Adjustable 0.8 overexcited to 0.8 underexcited			
THDI	<3%	<3%	<3%	<3%
EPS				
UPS Max. Output Power without Solar	3000W	3600W/4000W	4000W	4000W
UPS Max. Output Power with Solar	3000W	3600W/4000W	5000W	6000W
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	17.4A
Peak Power Without Solar	4500W, 30s	4500W, 30s	4500W, 30s	4500W, 30s
THDV	<5%	<5%	<5%	<5%
Switching Time	Typical 0.01s	Typical 0.01s	Typical 0.01s	<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-ciruit 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	Yes	Yes	Yes	Yes
General				
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)			
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	<5W	<5W	<5W	<5W
Display & Communication Interfaces	LCD, RS485, Wi-Fi, CAN	LCD, RS485, Wi-Fi, CAN	LCD, RS485, Wi-Fi, CAN	LCD, RS485, Wi-Fi, CAN

LUXPOWER TEK

Top Energy Storage App

Nominated by LeapDroid UK

https://leapdroid.com/?p=6076

Android

IOS

LUXPOWER TEK

Your Reliable Energy Solution Partner

Intelligent Power Management System

Luxpower has dedicated to making things easier since day 1.

Thanks to the greatly accessible monitor and management,

All needs from users, installers, distributors, can be met.

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Certificate