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.

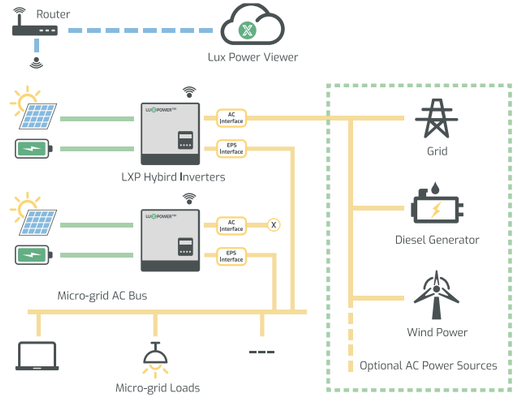
LXP Hybrid enables a programmable and schedulable smart solar energy storage system to help increase your solar energy self-consumption rate, protect your home appliances from grid outage, and balance your energy usage strategy to save energy bill.

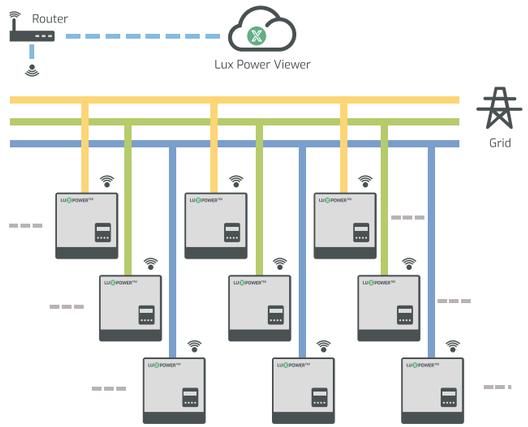
/ Parallel Connection

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.

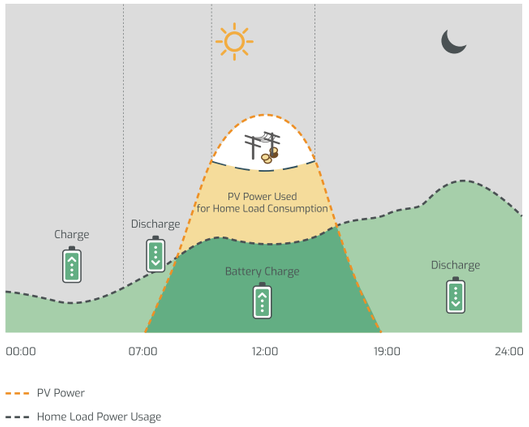




LXP Hybird or LXP ACS inverters

Hybrid Series

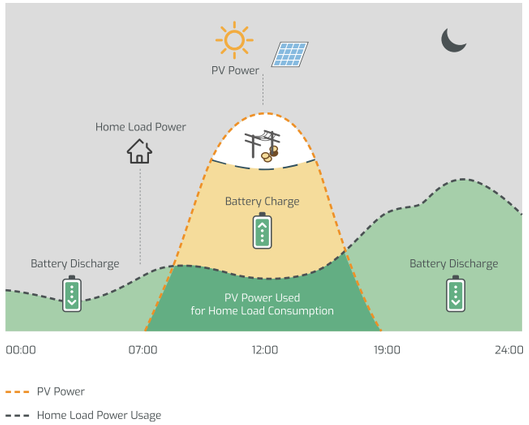
How it works



/ Force Time Use

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

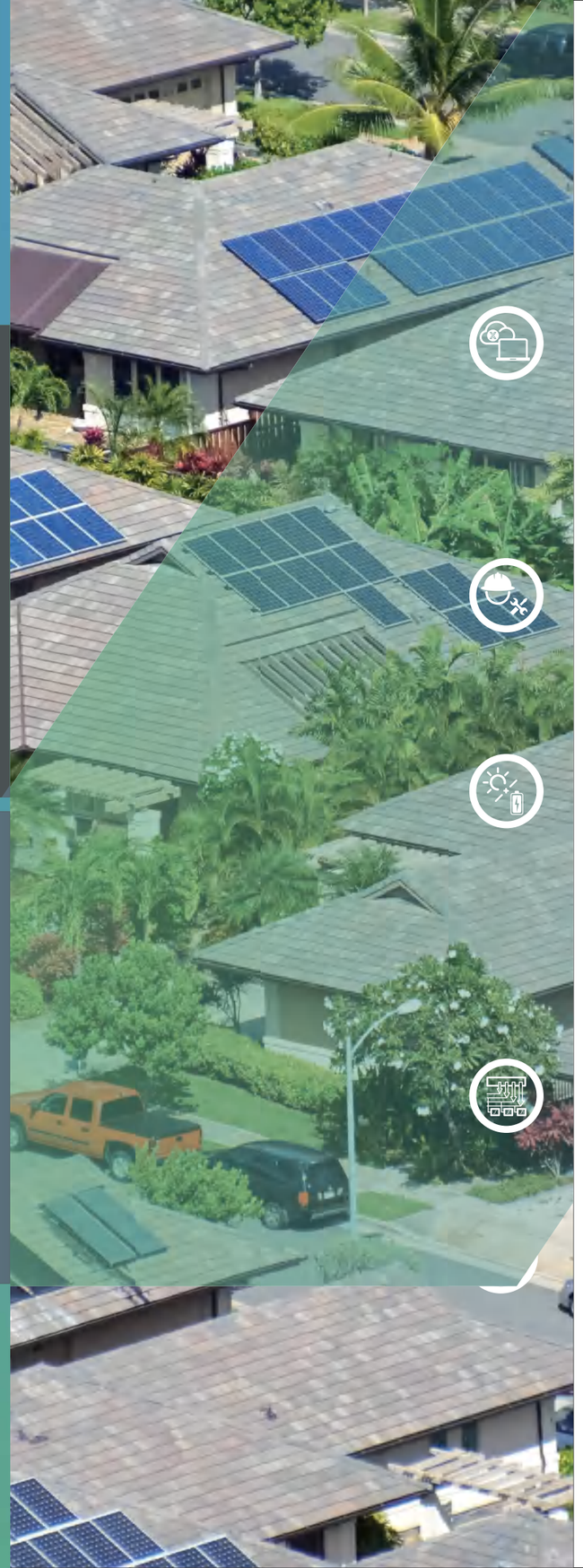
This mode suits for situation where the price difference of energy is big. User can set the charging and discharging time and priority of energy use under Force Time Use mode. The user can also choose whether to charge the battery using grid power if the regulations permitted.



/ 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-LB -US 8-10kW
LXP-LB -EU 8-10kW

- Stronger EPS
- Easy to use with battery
- Advanced parallel, up to 120kW
- Separate generator interface available
- Split phase output available for US model
- Plug & Play, seamless switching under 10ms
- Host inverter automatically generated to manage entire system
- Optional 10 year warranty for US
- Color LCD, IP65

Specification LXP-LB 8-10kW

Your Reliable Energy Solution Partner

Battery Parameters	LXP 7·6K/8K	LXP 10K
Compatible Battery Type	Lead-acid/Lithium	Lead-acid/Lithium
Nominal Battery Voltage	48V	48V
Battery Voltage Range	40V~60V	40V~60V
Maximun Charging/Discharging Current	167A/167A	210A/210A
Maximun Charging/Discharging Power	7600W/8000W	10000W
Input DC(PV Side)		
Max. DC Input Power for Single MPPT	12000W/7000W/7000W	12000W/7000W/7000W
Max. PV Input Power	10000W	16000W
DC Input Voltage Range	100V~600V	100V~600V
Nominal DC Input Voltage	360V	360V
Full Power MPPT Voltage Range	170~500V	210~500V
Max. DC Input Current	25A/15A/15A	25A/15A/15A
MPPT Number/(Strings per MPPT)	3(2/1/1)	3(2/1/1)
Output/Inout AC(Grid)		
Nominal Power	7600W/8000W	10000W
Nominal AC Voltage	240V 208V	240V 208V
Operating Voltage Range	180V-270V	180V-270V
Max. Continuous AC Current	33.3A@240V 38.5A@208V	41.6A@240V 48A@208V
Nominal AC Frequency	50Hz/60Hz	50Hz/60Hz
UPS Output-with Battery		
UPS Max. Output Power	7600W/8000W	10000W
UPS Nominal Output Voltage	240V 208V 120V/240V 120V/208V	240V 208V 120V/240V 120V/208V
UPS Nominal Output Frequency	50Hz/60Hz	50Hz/60Hz
UPS Nominal Output Current	33.3A@240V 38.5A@208V	41.6A@240V 48A@208V
Peak Power	14kW 10minutes / 16kW 5minutes / 20kW 500ms	
Switching Time	<20ms	<20ms
Efficiency		
MPPT Efficiency	99.9%	99.9%
Max. Efficiency	97.5%	97.5%
EU Efficiency	96.5%	96.5%
Battery Charging Efficiency	95%	95%
Battery Discharging Efficiency	94.5%	94.5%
Protection		
Anti-islanding Protection	YES	YES
DC Switch	YES	YES
Ingress Protect Degree	IP65	IP65
SPD Protection	YES	YES
AFCI	OPT	OPT
RSD	OPT	OPT
General Data		
Dimension(mm)	650*440*220	650*440*220
Weight	40kg	40kg
Display	Color LCD	Color LCD
Topology	Transformer-less	Transformer-less
Ambient Temperature Range	-25~60°C	-25~60°C
Cooling	FAN	FAN
Communication	RS485/Wi-Fi/CAN	RS485/Wi-Fi/CAN
Standard & Certification		
EMC		IEEE1547 FCC SDOC
Safety Standard		UL 1741
Grid Standdards		IEEE1547

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