

Hybrid Series

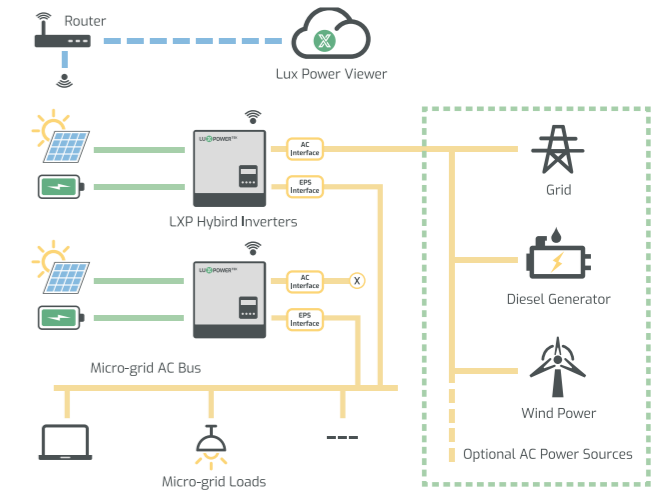
How it works

- 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

/ 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.

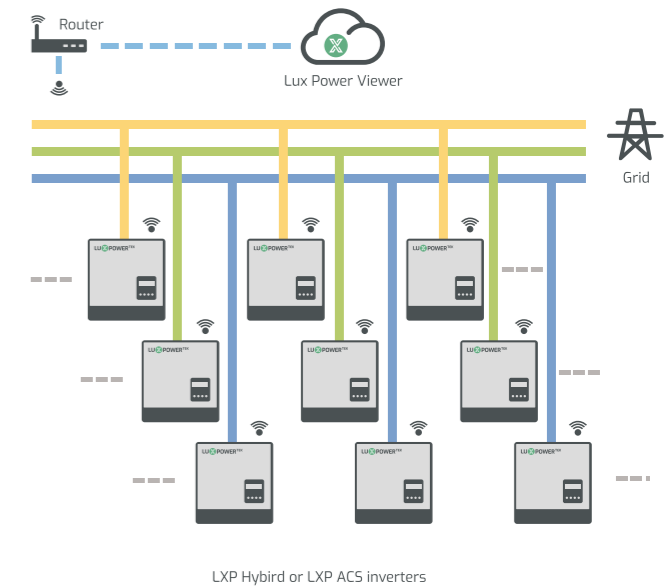


/ Parallel Connection

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.

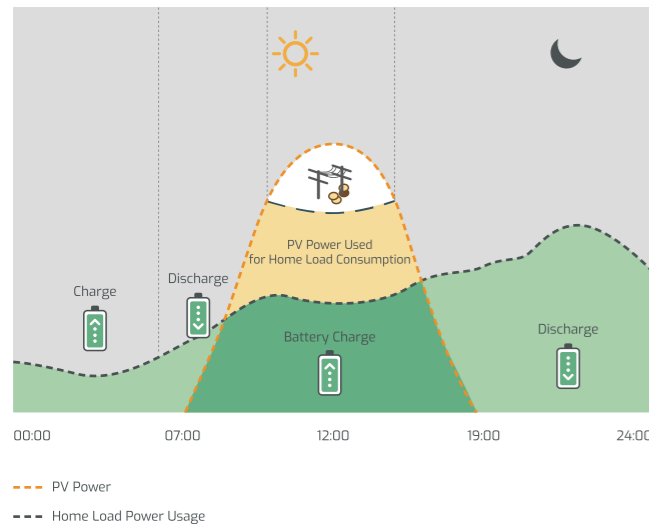
Smart paralleling algorithm enable multiple configurable working modes under on-grid, off-grid or micro-grid applications.



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How it works

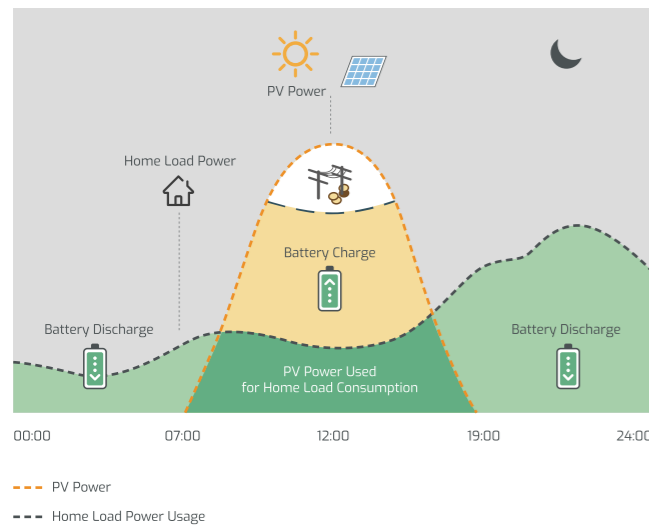
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/ Force Time Use

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.

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 12kW LXP-LB-EU 12kW



Your Reliable
Energy Solution
Partner

- 12kW EPS Output
- 10 units Paralleling
- AC Coupling Function
- 3 MPPT Input for max input 18kW
- Separated Generator Input
- 200A AC Passthrough Current
- PV Module Monitoring
- Peak Shaving Function
- Color LCD, Touch Screen



Specification

Battery Parameters	LXP-LB 12K
Compatible Battery Type	Lead-acid/Lithium
Nominal Battery Voltage	48V
Battery Voltage Range	40V-60V
Maximun Charging/Discharging Current	250A/250A
Maximun Charging/Discharging Power	12000W
Input DC(PV Side)	
Max. DC Input Power for Single MPPT	12000W/7000W/7000W
Max. PV Input Power	18000W
DC Input Voltage Range	100V-600V
Nominal DC Input Voltage	360V
Full Power MPPT Voltage Range	230-500V
Max. DC Input Current	25A/15A/15A
MPPT Number/(Strings per MPPT)	3(2/1/1)
Output/Inout AC(Grid)	
Nominal Power	12000W
Nominal AC Voltage	240V 208V
Operating Voltage Range	180V-270V
Max. Continuous AC Current	50A@240V 50A@208V
Nominal AC Frequency	50Hz/60Hz
UPS Output-with Battery	
UPS Max. Output Power	12000W
UPS Nominal Output Voltage	240V 208V 120V/240V 120V/208V
UPS Nominal Output Frequency	50Hz/60Hz
UPS Nominal Output Current	50A@240V 57.7A@208V
Peak Power	14kW 10minutes / 16kW 5minutes / 20kW 500ms
Switching Time	<20ms
Efficiency	
MPPT Efficiency	99.9%
Max. Efficiency	97.5%
EU Efficiency	96.5%
Battery Charging Efficiency	95%
Battery Discharging Efficiency	94.5%
Protection	
Anti-islanding Protection	YES
DC Switch	YES
Ingress Protect Degree	IP65
SPD Protection	YES
AFCI	OPT
RSD	OPT
General Data	
Dimension(mm)	670*490*265
Weight	42kg
Display	Color LCD
Topology	Transformer-less
Ambient Temperature Range	-25-60°C
Cooling	FAN
Communication	RS485/Wi-Fi/CAN
Standard & Certification	
EMC	IEEE1547 FCC SDOC
Safety Standard	UL 1741
Grid Standards	IEEE1547



Top Energy Storage App

Nominated by LeapDroid UK

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



Android



iOS



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



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