Your Reliable Energy Solution Partner

2023



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Your Reliable Energy Solution Partner

" There are over **200,000+**

Luxpower systems installed worldwide in various scenarios, including hybrid,off-grid,AC coupling,and DC coupling. We are dedicated to assisting our users in utilizing the energy from the sun and improving their quality of life."



Luxpowertek

Catalogue



HYBRID SERIES

Single Phase

- LXP **3k-6k** P04
- LXP-LB-EU **8-10k** P06
- LXP-LB-EU **12k** P08
- GEN **5-8k** P10



HYBRID SERIES

Split Phase

- LXP-LB-US **8-10k** P12
- LXP-LB-US **12k** P14



HYBRID SERIES

Three Phase

- TriP **6-20k** P16



ECO HYBRID

- SNA **3-6k Single Phase** P22
- SNA **3-6k Split Phase** P24



AC/DC RETROFIT

- ACS **3600** P28
- SQPOD **3600** P30
- LSP **100k** P32

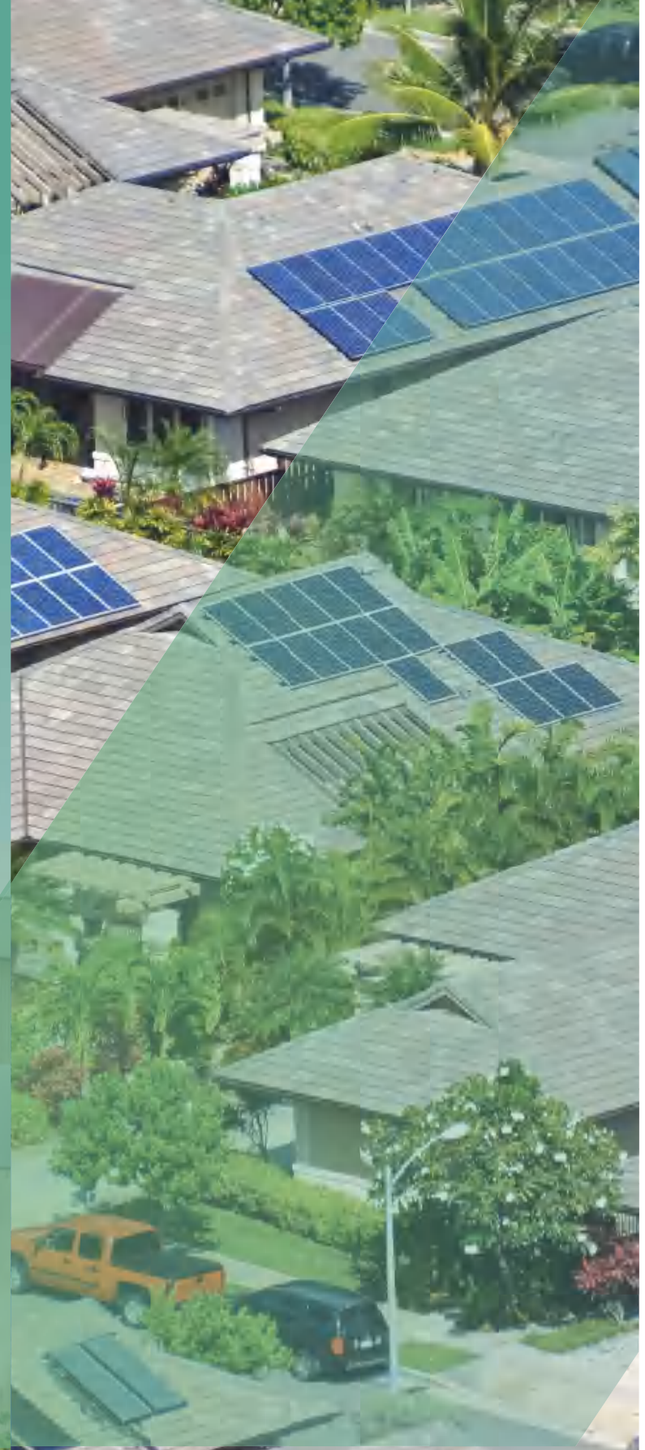


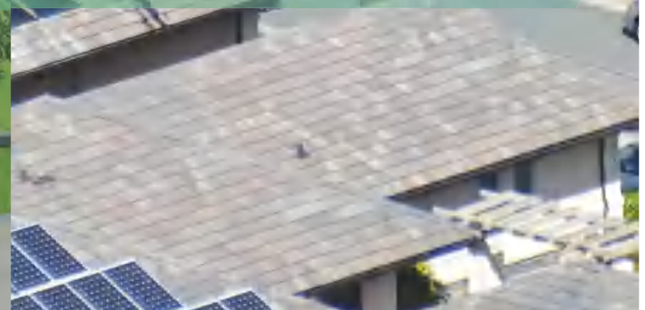
MONITORING APP/WEB P34

LUXPOWERTEK

HYBRID SERIES

- **Single Phase**
  - LXP 3-6k
  - LXP-LB-EU 8-10k
  - LXP-LB-EU 12k
  - GEN-5-8k
- **Split Phase**
  - LXP-LB-US 8-10k
  - LXP-LB-US 12k
- **Three Phase**
  - TriP 6-20k





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HYBRID SERIES

Intelligent working modes

- Weather Compensation and Smart Octopus charging packages
- Self consumption mode for high tariff areas
- Charge priority mode for areas where grid power is unstable
- Force charge & discharge mode for variable tariff integration

Smart EPS (Emergency Power Supply)

- Plug & Play integrated changeover, seamless switching under 10ms
- Auto backup power for critical load emergency supply

Intelligent Battery Integration

- Remote upgrade for battery management system (BMS) firmware
- Wide range of compatible battery brands
- Auto ‘wake-up’ function of 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 Units (Parallel Versions)

- Up to 10 units parallel
- Single phase and unbalanced three phase paralleling

Key Features

- High PV input values
- High charge/discharge rates
- Light, fast & easy installation
- Free Wi-fi monitoring on mobile&PC
- Multi-phase output on different hybrid models
- Generator interface available

HYBRID SERIES

Single Phase

LXP **3-6k**

- Single phase/Unbalanced 3-Phase
- Support up to 10pcs in parallel
- Intelligent charge features
  - -Weather forecast compensation
  - -Update electricity price automatically
  - -Economize charging/discharging schedule automatically
- Unique monitoring platform
  - -Free APPs on smartphone (Android/iOS) & PC (Web)
- Integrated UPS module
  - -On/off grid seamless switching under 20ms
- Wide battery compatible list
- Plug & Play (AC and PV port)







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SpecifiCation

INPUT (PV DC)	LXP 3000W	LXP 3600W	LXP 4000W	LXP 4600W	LXP 5000W	LXP 6000W
Max. PV array power(W)	6600	7000	7000	8000	8000	8000
Rated PV input voltage(V)	360					
Number of independent MPPT inputs	2					
PV input voltage range(V)	100-550					
MPPT voltage range(V)	120-500					
Start-up voltage(V)	140					
Max. PV input current per MPPT(A)	13					
Max. PV short-circuit current input per MPPT(A)	20					
Battery						
Compatible battery type	Lithium-ion/Lead-Acid					
Rated battery voltage(V)	48					
Battery voltage range(V)	48-60					
Max. charging voltage(V)	60					
Max. charging/discharging current(A)	66			80		
Max. charging/discharging power(W)	3600			4000		
Force wake up battery from PV function	YES					
Grid						
Rated AC voltage(V)	230					
Rated AC frequency(HZ)	50/60					
Rated AC output current(A)	13	15.6	17.4	20	21.7	26
Rated AC output power(W)	3000	3600	4000	4600	5000	6000
Max. AC intput current(A)	31.3	31.3	31.3	34.7	34.7	34.7
Max. AC intput power(W)	7200			8000		
PF	0.99(Adjustable from 0.8 leading to 0.8 lagging)					
THDI	<3%					
Rated AC current of BYPASS relays(A)	40					
UPS						
Rated output power with Solar(W)	3000	3600	4000	4600	5000	6000
Rated output power without Solar(W)	3000	3600	4000	4000	4000	4000
Rated output voltage(V)	230					
Rated output current(A)	13					17.4
Rated output frequency(Hz)	50/60					

Surge power, duration	4500W, 30S
Switching time(UPS)	20ms
Wave form	Sine wave
THDV	<5%
Efficiency	
Max. MPPT efficiency	99.0%
Max. efficiency	97.3%
EU efficiency	97.0%
Max. charging efficiency	94.5%
Max. discharging efficiency	94.5%
Protection	
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit current protection	YES
Leakage current protection	YES
Ground fault monitoring	YES
Grid monitoring	YES
DC switch	YES
DC surge protection Type III	YES
AC surge protection Type III	YES
General	
Dimensions(W*H*D)	455*467*181mm/17.9*18.4*7.1inch
Weight	20kg/44.1lbs
Ingress protection rating	IP65
Operating environment temperature range	-25-60°C
Storage temperature range	-40-65°C
Relative humidity	0-95%
Display & Communication interface	LCD, RS485/Wi-Fi/CAN
Warranty	5 years
Cooling method	Natural
Topology	Transformer-less
Altitude	2000m
Noise emission(typical)	<25dB
Standards & Certification	

AS4777.2, NRS097, EN50549, C10/C11, NV RFG, CEI0-21, CEI0-16, VDE-AR-N 4105, UTE C15-712-1/XPE C15-712-3; VD, G98, G99, IEC62109, IEC62040, IEC62477, EN61000, IEC60068

HYBRID SERIES

Single Phase

LXP-LB-EU **8-10k**

- Max. 210A charge/discharge current
- Support up to 10pcs in parallel
- AC coupling function
- Smart load control
- Separate generator interface available
- Easy to use with batteries
- Color touch LCD, IP65







SpecifiCation

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INPUT (PV DC)	LXP-LB-EU 8K	LXP-LB-EU 10K
Max. PV array power(W)	12000	15000
Rated PV input voltage(V)	360	
Number of independent MPPT inputs	2	
PV input voltage range(V)	100-600	
MPPT voltage range(V)	120-480	
Start-up voltage(V)	140	
Max. PV input current per MPPT(A)	25/25	
Max. PV short-circuit current input per MPPT(A)	31/31	
Battery		
Compatible battery type	Lithium-ion/Lead-Acid	
Rated battery voltage(Lithium-ion/Lead-Acid)(V)	48	
Battery voltage range(V)	40-60	
Max. charging/discharging current(A)	167	210
Max. charging/discharging power(W)	8000	10000
Force wake up battery from PV function	YES	
Grid		
Rated AC voltage(V)	230	
Rated AC frequency(Hz)	50	
Rated AC output current(A)	34.8	43.5
Rated AC output power(W)	8000	10000
Max. AC intput current(A)	70	90
Max. AC intput power(W)	16100	20700
PF	0.99	
THDI	<3%	
Rated AC current of BYPASS relays(A)	90	
UPS		
Rated output power(W)	8000	10000
Rated output voltage(V)	230	
Rated output current(A)	34.8	43.5
Rated output frequency(Hz)	50/60	
Surge power, duration	2Pn, 0.5s	
Switching time	20ms	
Wave form	Sine wave	
THDV	<3%	
Efficiency		
Max. MPPT efficiency	99.0%	
Max. efficiency	99.0%	
EU efficiency	97.5%	
Max. charging efficiency	96.0%	
Max. discharging efficiency	94.0%	
Protection		
PV reverse polarity protection	YES	
Over current/voltage protection	YES	
Anti-islanding protection	YES	
AC Short-circuit current protection	YES	
Leakage current protection	YES	
Ground fault monitoring	YES	
Grid monitoring	YES	
DC switch	YES	
AC/DC surge protection Type III	YES	
General		
Dimensions(W*H*D)	490*580*265mm/19.3*22.8*10.4inch	
Weight	45kg/99.2lbs	
Ingress protection rating	IP65	
Relative humidity	0-100%	
Operating environment temperature range	-25-60°C	
Storage temperature range	-25-60°C	
Display & Communication interface	Touch color screen, RS485/Wifi/CAN	
Warranty	5 years	
Cooling method	FAN	
Topology	Transformer-less	
Altitude	<2000m	
Noise emission(typical)	<50dB	
Standards & Certification		
EU Version NRS 097		

HYBRID SERIES

Single Phase

LXP-LB-EU **12k**

- Max. 250A charge/discharge current with 48V battery
- Support up to 10pcs in parallel
- AC coupling function
- Smart load control
- Separate generator interface available
- 12kW UPS output
- 3 MPPT inputs, maximum up to 18 kW
- Integrated UPS module, on/off grid seamless
- LCD color touch screen





SpecifiCation

INPUT (PV DC)	LXP-LB-EU 12K
Max. PV array power(W)	18000
Reted PV input voltage(V)	360
Number of independent MPPT inputs	3
PV input voltage range(V)	100▫600
MPPT voltage range(V)	120▫480
Start-up voltage(V)	140
Max. PV input current per MPPT(A)	25/15/15
Max. PV short-circuit current input per MPPT(A)	31/19/19
Battery	
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage(Lithium-ion/Lead-Acid)(V)	48
Battery voltage range(V)	40▫60
Max. charging/discharging current(V)	250
Max. charging power(W)	12000
Force wake up battery from PV function(Y/N)	Y
Grid	
Rated AC voltage(V)	230
Rated AC frequency(Hz)	50
Rated AC output current(A)	50
Rated AC output power(W)	11500
Max. AC intput current(A)	100
Max. AC intput power(W)	23000
PF	0.99
THDI	<3%
Rated AC current of BYPASS relays(A)	200
UPS	
Rated output power(W)	11500
Rated output voltage(V)	230
Rated output current(A)	50
Rated output frequency(Hz)	50/60
Surge power, duration	2Pn, 0.5s
Switching time	20ms
Wave form	Sine wave
THDV	3%
Efficiency	
Max. MPPT efficiency	99.0%
Max. efficiency	99.0%
EU efficiency	97.5%
Max. charging efficiency	96.0%
Max. discharging efficiency	94.0%
Protection	
PV reverse polarity protection	YES
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit current protection	YES
Leakage current protection	YES
Ground fault monitoring	YES
Grid monitoring	YES
DC Switch	YES
AC/DC Surge protection Type III	YES
General	
Dimensions(W*H*D)	490*670*265mm/19.3*26.3*10.4inch
Weight	50kg/110.2lbs
Ingress protection rating	IP65
Relative humidity	0▫100%
Operating environment temperature range	-25▫60℃
Storage temperature range	-25▫60℃
Display & Communication interface	Touch color screen, RS485/Wi-Fi/CAN
Warranty	5 years
Cooling method	FAN
Topology	Transformer-less
Altitude	<2000m
Noise emission(typical)	<50dB
Standards & Certification	
EU Version NRS 097	

HYBRID SERIES

Single Phase

GEN **5k/6k/7.2k/8k**

- Charging/discharging current can reach up to 166A.
- Upgrade to 2 sets of battery terminals for connecting wires
- Touch screen/Color LCD
- Intergrated UPS function
- AC coupling function
- Support up to 6pcs in parallel
- Support single phase connected in parallel to three-phase
- Separate generator port available





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SpecifiCation

Input DC (PV Side)	LXP-LB-EU 5K	LXP-LB-EU 6K	LXP-LB-EU 7.2K	LXP-LB-EU 8K
Max. DC input power for single MPPT(W)	5000/5000		6000/6000	
Max. PV array power(W)	10000		12000	
PV input voltage range(V)	100-600			
Rated PV input voltage(V)	360			
MPPT voltage range(V)	120-500			
Full Power MPPT Voltage Range	190-480			
Start-up voltage(V)	140			
Max. PV input current per MPPT(A)	17/17		26/26	
Number of independent MPPT inputs	2(A:2/B:2)			
Battery				
Compatible Battery Type	Lithium-ion, Lead-acid			
Rated battery voltage(Lithium-ion/Lead-Acid)(V)	48			
Battery voltage range(V)	40-60			
Recomand capacity of battery per inverter	2-60kWh			
Max. charging/discharging current(A)	105/105	125/125	150/150	166/166
Max. charging/discharging power(W)	5000	6000	7200	8000
Grid				
Rated power(W)	5000	6000	7200	8000
Rated AC voltage(V)	230			
Operating voltage range(V)	180-270			
Max. continuous AC current	21.8A	26A	32A	34.8A
Rated AC frequency(Hz)	50/60			
THDI	<3%			
PF	-0.8-+0.8 adjustable			
UPS Output - with Battery				
Rated output power(W)	5000	6000	7200	8000
Rated output voltage(V)	230			
Rated output frequency(Hz)	50/60			
UPS nominal output current	21.8A	26A	32A	34.8A
Peak Power	2xPn, <0.5s			
THDV	<3%			
Switching Time	<20ms			

Efficiency	
Max. MPPT efficiency	99.9%
Max. efficiency	97.5%
Protection	
Anti-islanding protection	YES
AC Short-circuit protection	YES
Leakage current protection	YES
Grid monitoring	YES
PV DC switch	YES
Ingress protect degree	IP65
PV insulation detection	YES
Over current protection	YES
Over voltage protection	YES
Battery soft start protection	YES
SPD protection	YES
PV reverse polarity protection	YES
General	
Dimensions(mm)	TBD
Weight	TBD
Display & communication	Touched Color LCD, RS485/Wi-Fi/CAN
Topology	Tranformer-less
Ambient temperature range	-25-60°C
Standby losses	<15W
Cooling method	Natural
Relative humidity	0-100%
Max. operating altitude	2000m
Noise emission (typical)	<25dB
Warranty	5 Years
Standards & Certification	

HYBRID SERIES

Split Phase

LXP-LB-US **8-10k**

- Easy to use with batteries
- AC coupling function
- Peak shaving function
- Breakers (AC, Gen Load and battery) are integrated
- Support up to 10pcs in parallel
- Smart load control
- Separate generator interface available
- Plug & Play, seamless switching under 10ms
- LCD color touch screen





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SpecifiCation

INPUT (PV DC)	LXP-LB-US 8K	LXP-LB-US 10K
Max. PV array power(W)	12000	15000
Rated PV input voltage(V)	360	
Number of independent MPPT inputs	2/2	
PV input voltage range(V)	100-600	
MPPT voltage range(V)	170-500	
Start-up voltage(V)	140	
Max. PV input current per MPPT(A)	25/25	
Max. PV short-circuit current input per MPPT(A)	31/31	
Battery		
Compatible battery type	Lithium-ion/Lead-Acid	
Rated battery voltage(V)	48	
Battery voltage range(V)	40-60	
Max. charging/discharging current(A)	167	210
Max. charging/discharging power(W)	8000	10000
Force wake up battery from PV function	YES	
Grid		
Rated AC voltage(V)	120/240; 120/208	
Rated AC frequency(Hz)	60	
Rated AC output current	33.3A@240V/38.5A@208V	41.6A@240V/48A@208V
Rated AC output power(W)	8000	10000
Max. AC intput current(A)	66	80
Max. AC intput power(W)	16000	20000
PF	99.0%	
THDI	3%	
Rated AC current of BYPASS relays(A)	90	
UPS		
Rated output power(W)	8000	10000
Rated output voltage(V)	120/240; 120/208	
Rated output current	33.3A@240V/38.5A@208V	41.6A@240V/48A@208V
Rated output frequency(Hz)	60	
Surge power, duration	2Pn, 0.5S	
Switching time	20ms	
Wave form	Sine wave	
THDV	<3%	
Efficiency		
Max. MPPT efficiency	99.9%	
Max. efficiency	97.5%	
Battery charging/discharing efficiency	95.0%	
CEC efficiency	96.4%	
Protection		
PV reverse polarity protection	YES	
Over current/voltage protection	YES	
Anti-islanding protection	YES	
AC short-circuit protection	YES	
Leakage current protecion	YES	
DC switch	YES	
AC/DC surge protection Type III	YES	
Rapid shut down	YES	
Grid/AFCI/RSD monitoring	YES	
AC switch(Current/Voltage)	63A/480VAC	
UPS switch(Current/Voltage)	63A/480VAC	
Battery switch(Current/Voltage)	250A/80VDC	
General		
Dimensions(W*H*D)	520*750*285mm/20.5*29.5*11.2inch	
Weight	50kg/110lbs	
Ingress protection rating	IP 65/ NAME 4X	
Relative humidity	0-100%	
Operating environment temperature range	-25-60℃	
Storage temperature range	-25-60℃	
Display & Communication interface	Touch color screen, RS485/Wi-Fi/CAN	
Warranty	5 years	
Cooling method	FAN	
Topology	Transformer-less	
Altitude	<2000m	
Noise emission (typical)	<50dB	
Standards & Certification		
UL 1741: 2021, CSA C22.2#1071:2016, CSA C22.2#330:2017, IEEE1547:2018, HECO SRD, IEEE-1547.1:2020, CEC, FCC SDOC, NEC Section 690.12		

HYBRID SERIES

Split Phase

LXP-LB-US **12k**

- AC coupling function
- Peak shaving function
- Smart load control
- Support up to 10pcs in parallel
- 12kW UPS output split phase
- LCD color touch screen
- 3 MPPT inputs, maximum up to 18 kW
- Breakers (Load and battery) are integrated
- 200A AC bypass current
- Separate generator interface available
- Integrated UPS module, on/off grid seamless switching under 20ms







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SpecifiCation

INPUT (PV DC)	LXP-LB-US 12K
Max. PV array power(W)	18000
Rated PV input voltage(V)	360
Number of independent MPPT inputs	3
PV input voltage range(V)	100-600
MPPT voltage range(V)	120-480
Start-up voltage(V)	140
Max. PV input current per MPPT(A)	25/15/15
Max. PV short-circuit current input per MPPT(A)	31/19/19
Battery	
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage(V)	48
Battery voltage range(V)	40-60
Max. charging/discharging current(A)	250
Max. charging/discharging power(W)	12000
Force wake up battery from PV function	YES
Grid	
Rated AC voltage(V)	120/240; 120/208
Rated AC frequency(Hz)	60
Rated AC output current(A)	50
Rated AC output power(W)	12000
Max. AC intput current(A)	100
Max. AC intput power(W)	24000
PF	0.99
THDI	<3%
Rated AC current of BYPASS relays(A)	200
UPS	
Rated output power(W)	12000
Rated output voltage(V)	120/240; 120/208
Rated output current(A)	50
Rated output frequency(Hz)	60
Surge power, duration	2Pn, 0.5S
Switching time	20ms
Wave form	Sine wave
THDV	<3%
Efficiency	
Max. MPPT efficiency	99.9%
Max. efficiency	97.5%
Battery charging/discharging efficiency	95.0%
CEC efficiency	96.9%
Protection	
PV reverse polarity protection	YES
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit protection	YES
Leakage current protecion	YES
DC switch	YES
AC/DC surge protection Type III	YES
Rapid shut down	YES
Grid/AFCI/RSD monitoring	YES
UPS switch(Current/Voltage)	200A/250V
Battery switch(Current/Voltage)	2*200A/80V
General	
Dimensions(W*H*D)	520*870*285mm/20.5*34.2*11.2inch
Weight	55kg/121.2lbs
Ingress protection rating	IP 65/ NAME 4X
Relative humidity	0-100%
Operating environment temperature range	-25-60°C
Storage temperature range	-25-60°C
Display & Communication interface	Touch color screen, RS485/Wi-Fi/CAN
Warranty	5 years
Cooling method	FAN
Topology	Transformer-less
Altitude	<2000m
Noise emission(typical)	<50dB
Standards & Certification	
UL 1741: 2021, CSA C22.2#1071:2016, CSA C22.2#330:2017, IEEE1547:2018, HECO SRD, IEEE-15471:2020, CEC, FCC SDOC, NEC Section 690.12	

HYBRID SERIES

Three Phase

TriP **6-20k**

- Maximum input current 40A for each MPPT
- Maximum 3 MPPT inputs (2 ports for each MPPT)
- High battery voltage ranges from 160 to 700V
- High battery charging/discharging current of 50A
- 20kW UPS output
- 10 seconds double overload current available
- AC coupling function
- Support up to 10 pcs in parallel
- Support unbalanced load



New TriP, New Journey
3-Phase Solution



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SpecifiCation

INPUT (PV DC)	TriP 6K	TriP 8K	TriP 10K	TriP 12K	TriP 15K	TriP 20K
Max. PV array power(W)	9000	12000	15000	18000	22500	30000
Rated PV input voltage(V)	650					
Number of independent MPPT inputs	2				3	
PV input voltage range(V)	160~1000					
MPPT voltage range(V)	200~900					
Start-up voltage(V)	160					
Max. PV input current per MPPT(A)	20/20				40/40/40	
Max. PV short-circuit current input per MPPT	25/25				40/40/40	
Battery						
Compatible battery type	Lithium-ion/Lead-Acid					
Rated battery voltage(V)	400					
Battery voltage range(V)	160~700					
Max. charging voltage(V)	700					
Max. charging/discharging current(A)	25				50	
Max. charging/discharging power(W)	6000	8000	10000	12000	15000	20000
Force wake up battery from PV function	YES					
Grid						
Rated AC voltage(V)	230/400					
Rated AC frequency(Hz)	50					
Rated AC output current(A)	9.1	12.2	15.2	18.2	22.8	30.3
Rated AC output power(W)	6000	8000	10000	12000	15000	20000
Max. AC intput current(A)	9.1	12.2	15.2	18.2	22.8	30.3
Max. AC intput power(W)	6000	8000	10000	12000	15000	20000
PF	0.99					
THDI	<3%					
Rated AC current of BYPASS relays(A)	90					
UPS						
Rated output power(W)	6000	8000	10000	12000	15000	20000
Rated output voltage(V)	230/400					
Rated output current(A)	9.1	12.2	15.2	18.2	22.8	30.3
Rated output frequency(Hz)	50					
Surge power, duration	2Pn, 0.5S					
Switching time	20ms					
Wave form	Sine wave					
THDV	<3%					
Efficiency						
Max. MPPT efficiency	99.0%					
Protection						
PV reverse polarity protection	YES					
Over current/voltage protection	YES					
Anti-islanding protection	YES					
AC Short-circuit protection	YES					
Leakage current protecion	YES					
Grid monitoring	YES					
DC switch	YES					
Ingress protection	YES					
DC Surge protection Type III	YES					
AC Surge protection Type III	YES					
General						
Dimensions(W*H*D)	560*510*260mm/22*20.1*10.2inch					
Weight	TBD					
Ingress protection rating	IP65					
Operating environment temperature range	-25~60℃					
Storage temperature range	-40~70℃					
Relative humidity	0~100%					
Display & Communication interface	Touch color screen, RS485/Wifi/CAN					
Warranty	5 years					
Cooling method	Natural cooling				FAN	
Topology	Transformer-less					
Altitude	<2000m					
Noise emission(typical)	<50dB					
Standards & Certification						

LUXPOWERTEK

Your Reliable Energy Solution Partner

SNA **3-6k Single Phase**

SNA **5-6k Split Phase**

Luxpower has taken further steps to bring energy security to every home, on and off grid. Reorganize your energy at home, no more blackouts.

SNA **3-6k**

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



ECO Hybrid SNA 3-6k is now available for homes without grid. Inquire your local distributor to reorganize your power at home, no more blackouts.



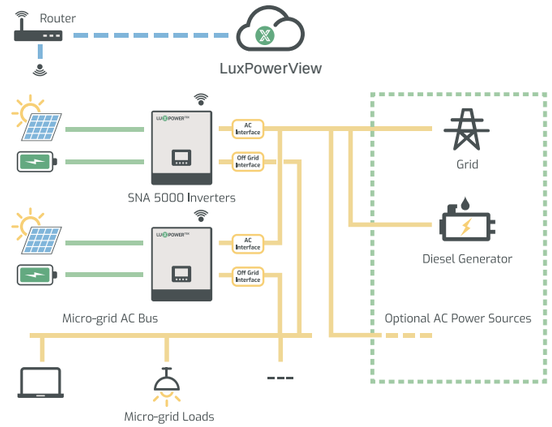
How it works

/ Systen Connection

Off-grid system is a good solution for the area where the grid power is unstable or in scarcity.

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

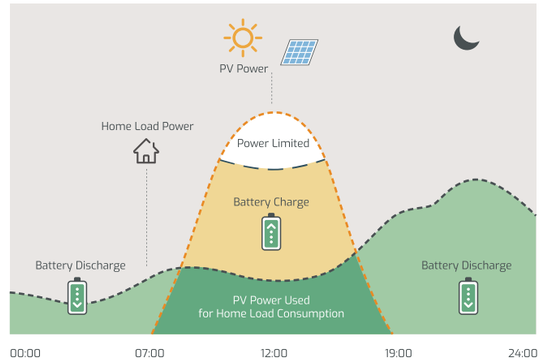
Can partially or entirely replace diesel generator. Flexible from 3 to 50kW.



/ Working Mode

SNA 3-6kW series off-grid inverters can support the system to work as back-up power or a replacement for diesel generator. Since the inverter support paralleling function, the capacity of the system can range from 3kW to 50kW.

The inverter supports several working modes, including: Pure off-grid working mode: working as traditional off-grid inverters, can prioritize between using AC power or solar power. Hybrid working mode: working as a hybrid, supporting solar and utility jointly taking the load, can choose between self-consumption mode or charge priority mode.



ECO HYBRID

LUXPOWERTEK

SNA **3-6k Single phase**

Reclaim Your Power

- **Intelligent off-grid & hybrid modes**
- **Off-grid seamless switching**
- **Wide PV input voltage range**
- **Great battery compatibility**
- **Single phase/Unbalanced 3-Phase**
- **Support up to 16pcs in parallel**

  -Host inverter automatically generated to manage the entire system
- **Separate generator port available**



SpecifiCation

INPUT (PV DC)	SNA 3000W	SNA 4000W	SNA 5000W	SNA 6000W
Max. PV array power(W)	6000 (3000/3000)	8000 (4000/4000)	8000 (4000/4000)	8000 (4000/4000)
Rated PV input voltage(V)	320			
Number of independent MPPT inputs	2			
PV input voltage range(V)	100-480			
MPPT voltage range(V)	120-385			
Start-up voltage(V)	100			
Max. PV input current per MPPT(A)	17/17			
Max. PV short-circuit current input per MPPT(A)	25/25			
Battery				
Compatible battery type	Lithium-ion/Lead-Acid			
Rated battery voltage(V)	48			
Battery voltage range(V)	38.4-60			
Max. charging/discharging current(A)	70	90	110	140
Max. discharging/discharging power(W)	3000	4000	5000	6000
Recomand capacity of battery per inverter	>100AH	>200AH	>200AH	>200AH
Force wake up battery from PV function	YES			
Force wake up battery from Grid function	YES			
Grid				
Rated AC voltage(V)	230			
Rated AC frequency(Hz)	50/60			
Rated AC output current(A)	13.5	17.5	22	26.5
Rated AC output power(W)	3000	4000	5000	6000
Max. AC intput current(A)	26	35	35	39.5
Max. AC intput power(W)	6000	8000	8000	9000
PF	0.99			
THDI	<5%			
Rated AC current of BYPASS relays(A)	40			
UPS				
Rated output power(W)	3000	4000	5000	6000
Rated output voltage(V)	230			
Rated output current(A)	13.5	17.5	22	26.5
Rated output frequency(Hz)	50/60			
Surge power, duration	2Pn, <2S			
Switching time	<15ms@Single/ <30ms@Parallel			
Wave form	Sine wave			
THDV	3%			
Efficiency				
Max. MPPT efficiency	0.99			
Max. efficiency	0.93			
EU efficiency	/			
Max. charging efficiency	0.93			
Max. discharging efficiency	0.93			
Protection				
Over current/voltage protection	YES			
AC Short-circuit current protection	YES			
Grid monitoring	YES			
AC Surge protection Type III	YES			
Battery reverse polarity protection	YES			
General				
Dimensions(W*H*D)	303*505*135mm/11.9*19.9*5.3inch			
Weight	14.5kg/32lbs			
Ingress protection rating	IP20			
Operating environment temperature range	0-50°C			
Storage temperature range	-15-60°C			
Relative humidity	5%-95%			
Display & Communication interface	LCD+LED, RS485/Wi-Fi/CAN			
Warranty	2years			
Cooling method	FAN			
Topology	Transformer-less			
Altitude	<2000m			
Noise emission(typical)	<50dB			
Standards & Certification				
IEC 62109-1, IEC 62109-2, IEC 61000				

SNA **5-6k Split phase**

- 240V/120V Output
- Intelligent off-grid & hybrid modes
- PV & AC take load jointly
- Wide PV input voltage range
- Single phase/Unbalanced 3-Phase.
- Paralleling up to 16 units

  -Host inverter automatically generated to manage the entire system
- Separate generator port available





SpecifiCation

INPUT (PV DC)	SNA-US 5000	SNA-US 6000
Max. PV array power (W)	8000(4000/4000)	
Rated PV input voltage(V)	320	
Number of independent MPPT inputs	2	
PV input voltage range(V)	100▫480	
MPPT voltage range(V)	1200▫385	
Start-up voltage(V)	100	
Max. PV input current per MPPT(A)	17/17	
Max. PV short-circuit current input per MPPT(A)	25/25	
Battery		
Compatible battery type	Lithium-ion/Lead-Acid	
Rated battery voltage(V)	48	
Battery voltage range(V)	38.4▫60	
Max. charging/discharging current(A)	110	140
Max. charging/discharging power(W)	5000	6000
Recomand max. capacity of battery per inverter	>200AH	
Force wake up battery from PV function	YES	
Force wake up battery from Grid function	YES	
Grid		
Rated AC voltage(V)	110(P-N)/220(P-P); 120(P-N)/240(P-P)	
Rated AC frequency(Hz)	50/60	
Rated AC output current(A)	23A@220V/21A@240V	28A@220V/25A@240V
Rated AC output power(W)	5000	6000
Max. AC intput current(A)	36.5A@220V/33.5A@240V	41A@220V/37.5A@240V
Max. AC intput power(W)	8000	9000
PF	99.0%	
THDI	<5%	
Rated AC current of BYPASS relays(A)	40	60
UPS		
Rated output power(W)	5000	6000
Rated output voltage(V)	110/220; 120/240	
Rated output current(A)	23A@220V/21A@240V	28A@220V/25A@240V
Rated output frequency(Hz)	50/60	
Surge power, duration	2Pn, <2S	
Switching time	<15ms @ Single/ <30ms @ Parallel	
Wave form	Sine wave	
THDV	<3%	
Efficiency		
Max. MPPT efficiency	99.0%	
Max. efficiency	93.0%	
Max. charging/discharging efficiency	93.0%	
Protection		
Over current/voltage protection(Y/N)	YES	
AC short-circuit current protection(Y/N)	YES	
Grid monitoring(Y/N)	YES	
AC Surge protection Type III	YES	
Battery reverse polarity protection(Y/N)	YES	
General		
Dimensions(W*H*D)	375*672*150mm/14.8*26.4*5.9inch	
Weight	14.5kg/33.1lbs	
Ingress protection rating	IP20	
Operating environment temperature range	0▫50℃	
Storage temperature range	-15▫60℃	
Relative humidity	5%▫95%	
Display & Communication interface	LCD+LED, RS485/Wi-Fi/CAN	
Warranty	2 years	
Cooling method	FAN	
Topology	Transformer-less	
Altitude	<2000m	
Noise emission(typical)	<50dB	
Standard & Certification		
IEC 62109-1, IEC 62109-2, IEC 61000, IEC 62040, EN 61000		

RETROFIT

AC Retrofit

- LXP **3600** ACS **/** LXP **3600** SQPOD

DC Retrofit

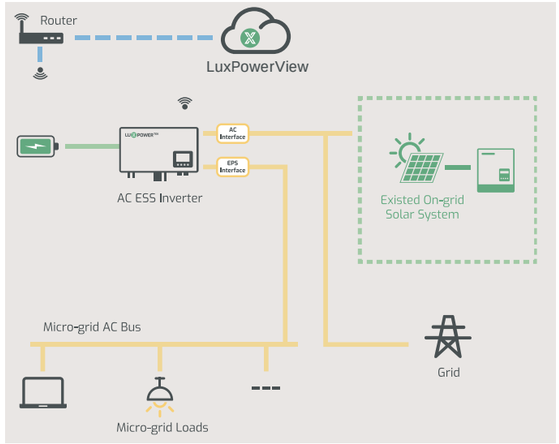
- LSP **100k**

One Step to Retrofit Your Solar System

/ AC Retrofit

Retrofit an existing on-grid solar system to add battery storage.

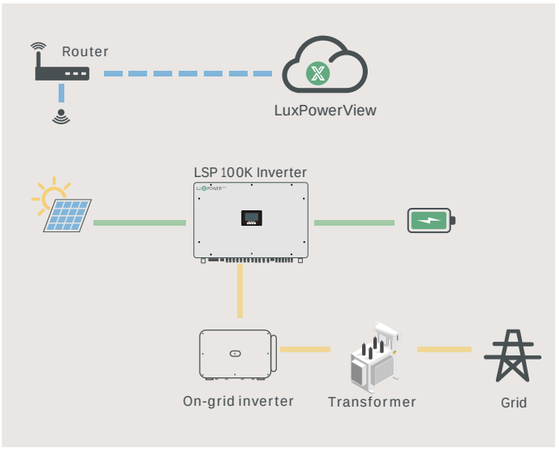
It couldn't be easier than installing an LXP AC series inverter coupled on AC side with a battery pack. Installation of a Lux AC system should not affect existing solar systems or feed in tariffs.



/ DC Retrofit

To retrofit an existing PV system by incorporating DC side coupling to create an energy storage system. With this enhanced storage system:

-It becomes compatible with batteries, enabling the addition of more PV panels, while also allowing the PV system to operate on a predefined schedule;
-By setting the charging/discharging timeline of the battery, it achieves an equivalent/similar effect as the Peak Shaving operating mode.



LXP **3600** ACS

- Retrofit any on-grid system to energy storage system
- Intelligent charge feature
  - -Weather forecast compensation
  - -Update electricity price automatically
- Retrofit any on-grid/micro-grid system to energy storage system
- Economize charging/discharging schedule automatically
- Integrated UPS module
- On/off grid seamless switching under 20ms



NOTE:

Intelligent charge feature is only available in the UK for now,

supporting regional customization



SpecifiCation

Battery	LXP 3600 ACS/LXP 3600 SQPOD
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage(V)	48
Battery voltage range(V)	48-60
Max. charging voltage(V)	60
Max. charging/discharging current(A)	70
Max. charging/discharging power(W)	3600
Force wake up battery from Grid fuction(Y/N)	Y
Grid	
Rated AC voltage(V)	230
Rated AC frequency(Hz)	50/60
Rated AC output current(A)	16
Rated AC output power(W)	3600
Max. AC intput current(A)	26
Max. AC intput power(W)	6000
PF	0.99(Adjustable from 0.8 leading to0.8 lagging)
THDI	<3%
Rated AC current of BYPASS relays(A)	40
UPS	
Rated output power(W)	3600
Rated output voltage(V)	230
Rated output current(A)	16
Rated output frequency(HZ)	50/60
peak power, duration	4500W, 30S
Switching time	20ms
Wave form	Sine wave
THDV	<3%
Parallel capacity	6
Efficiency	
Max. efficiency	97.3%
EU efficiency	97.0%
Max. charging efficiency	94.5%
Max. discharging efficiency	94.5%
Protection	
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit current protection	YES
Grid monitoring	YES
AC Surge protection Type III	YES
General	
Dimensions(W*H*D)	650*440*220mm/25.6*17.3*8.6inch
Weight	15.6kg/34.4lbs
Ingress protection rating	IP65
Operating environment temperature range	-25-60℃
Storage temperature range	-40-65℃
Relative humidity	0-95%
Display & Communication interface	LCD, RS485/Wi-Fi/CAN
Warranty	5 years
Cooling method	Natural
Topology	Transformer-less
Altitude	2000m
Noise emission(typical)	<25dB
DC connector(VP-D4/MC4(Optional))	/
AC connector(AC connector)	AC connector
Standards & Certification	
AS4777.2 :1, EN50549, VDE-AR-N 4105, IEC62109, IEC62040, G98, G100	

LXP **3600** SQPOD

- Modular expansion – link up to 6 units together
- Number of batteries - Min, 1 Max. 8 (5.12kWh for each battery)
- Retrofit any on-grid/micro-grid system to energy storage system
- EPS (Emergency Power Supply) functionality
- Free online monitoring platform
- Weather Compensation smart charge feature
- Multiple Works with Octopus auto charge packages

  -Suggesting 40kW for each machine, can be more.



Single Squirrel Pod



Ready for additional units in the future

Max charge/discharge3.5kW

Add from 1-8 batteries

Double Squirrel Pod

Two battery stacks



2 unites work together as Primary and Sub unit

Only the Primary has the CT connections Max charge/ dischrge 7kW

Each Squirrel Pod can have up to 8 batteries

Multiple Squirrel Pod

Three battery stacks



3 units work together as Primary and Sub unit

Only the Primary has the CT connections Max charge/dischrge 10.5kW

Each Squirrel Pod can have up to 8 batteries





Lux Power Battery Storage Agile Auto Charge

Luxpower and Infinity lnnovations Ltd. have developed an Agile Auto Charge (AAC) to allow automatic off- peak charging using the cheapest rates available. This is a Beta system and therefore reacts to data provided by Octopus. Lux Power has no involvement or responsibility for the content or timing of the information provided. Lite is recommended that you read the Octopus Blog regarding all systems approved as compatible with Octopus.

https://octopus.energy/blog/works-with-octopus/

The AAC analyses the time and prices of the electricity information published by Octopus Energy and ranks the information by to price. You can therefore just input the number of charge periods you want to use, and the system will automatically charge using only the cheapest periods.

Simple to Programme

Agile Auto Charge will appear on your Luxpower Portal once activated by lnfinity Innovations Ltd. Simply select the quantity of 30-min charge periods you require for Night or Day charging and press save!

Night Charge - From midnight to 6am.
Select the desired number of charge periods, and your system will automatically adjust to charge during periods when prices are at their lowest.

Day Charge - From 12 noon to 4 pm.
This will allow you to top-up your batteries ready to get through the more expensive On-Peak periods.

Blocking Discharge
You can also set periods where the batteries can charge but will not discharge. For example, block discharging from midnight to 6am and your batteries will charge using only the cheapest rates but will not discharge. So you can set all heavy usage items - washing machines, dishwashers, EV charging etc. to also run at night without emptying your batteries. Using this function, you can ensure your batteries are 100% charged ready cover your house load at 6.am.

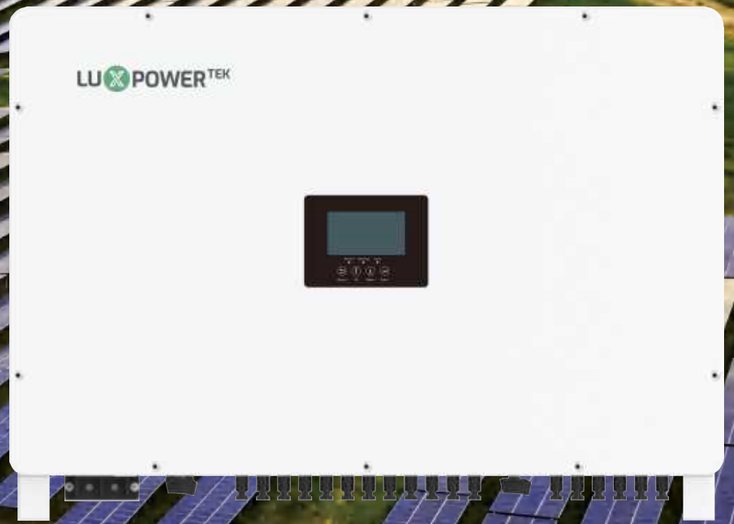
DC RETROFIT

LSP **100k**

Thanks to LSP 100k, it's now easy

To retrofit an existing PV system by incorporating DC side coupling to create an energy storage system. With this enhanced storage system:

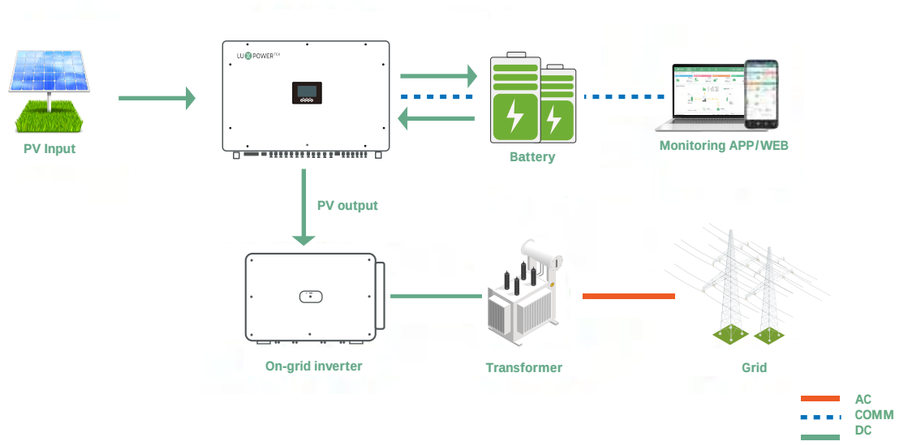
-It becomes compatible with batteries, enabling the addition of more PV panels, while also allowing the PV system to operate on a predefined schedule.
-By setting the charging/discharging timeline of the battery, it achieves an equivalent/similar effect as the Peak Shaving operating mode.



- **Max. 200kW PV input, 100kW PV output**
- **Retrofit on-grid system to hybrid system (energy storage)**
- **DC-coupling, 24 MPPT inputs and 12 MPPT outputs**
- **Free & handy monitoring platform on PC (Web)**
- **Advanced power management logic**
- **Waterproof Touch screen**
- **Equipment Protection Level: IP65**

SpecifiCation

INPUT (PV DC)	LSP 100k
Max. input power(kW)	200
Max. input voltage(V)	1100
Rated PV input voltage(V)	630
MPPT voltage range(V)	300~1000
Start-up voltage(V)	330
Max. short-circuit per MPPT(A)	33
Max. current per MPPT input(A)	26
Number of MPPT tracks	12
Number of input strings	24
Battery	
Type	Lead-acid/Lithium-ion
Max. charging/discharging power(kW)	100
Voltage range(V)	300~700
Max. charging/discharging current(A)	200
Max. charging/discharging efficiency	98.10%
PV output	
DC-DC output rated power(kW)	100
Normal output voltage(V)	630
Output voltage range(V)	500~1000
Max. output current(A)	20
Output strings	12
Output tracks	12
Protection	
DC reverse-polarity protection	Yes
DC surge arrester	Type II
General	
Dimensions(W*H*D)	1015*680*310mm/39.9*26.8*12inch
Weight(with mounting plate)	120Kg/264.5lbs
Protection degree rating	IP65
Topology	Transformer-less
Cooling method	Air cooling
Relative humidity	0%~100%
Operating environment temperature range	-25℃~60℃
Connector(PV input and Output)	MC4
Battery connector	Screw
Altitude	<4000m
Warranty	5 years
Display	Touch color screen, LED+LCD
Communication interface	RS485/CAN/Wi-Fi
Standards & Certifications	
EN 62109-1 / -2	
IEC 62109-1 / -2	



MONITORING
APP/WEB

For APP Download

Android

IOS

LUXPOWER TEK

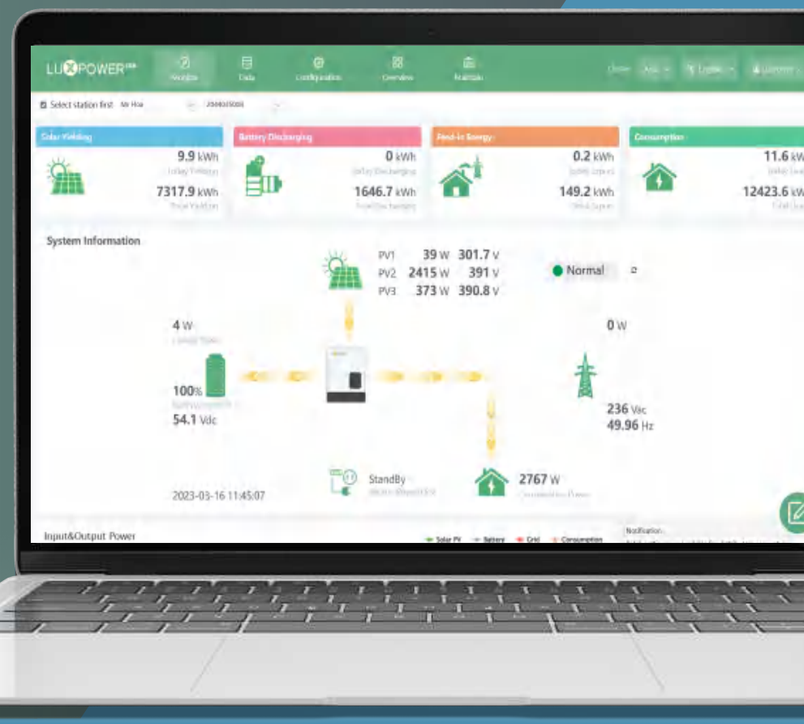
Top Energy Storage App



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 manager,
all needs from users, installers, and distributors can be met.



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LUXPOWER TEK

Certificates



















