

Your Reliable Energy Solution Partner

2023



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BR-EM-23-02

Catalogue

" 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."



HYBRID SERIES

Single Phase

- LXP 3k-6k P04
- LXP-LB-EU 8-10k P06
- LXP-LB-EU 12k P08
- LXP-LB-EU 6-8k 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 5-6k Split Phase P24



AC/DC RETROFIT

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



MONITORING APP/WEB P34

HYBRID SERIES

- Single Phase

LXP 3-6k

LXP-LB-EU 8-10k

LXP-LB-EU 12k

LXP-LB-EU 6-8k

- Split Phase

LXP-LB-US 8-10k

LXP-LB-US 12k

- Three Phase

TriP 6-20k

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 20ms
- 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)

LUPOWERTEK



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 input current(A)	31.3	31.3	31.3	34.7	34.7	34.7
Max. AC input 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	15.6	17.4	17.4	17.4	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*565*181mm/17.9*22.2*7.1inch					
Weight	20kg/44.1lbs					
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					
Standards & Certification						
IEC 62109-1/2, IEC 62040, IEC 62477, EN 61000, IEC 60068, EN 62920, AS4777.2, NRS 097, EN 50549, RD1699, RD413, RD647, UNE 217001, NTS TYPE A, CE10-21, CE10-16, VDE-AR-N 4105, UTE C15-712-1/XP C15-712-3/VFR 2019, G98, G99						

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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

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 input current(A)	70	90
Max. AC input 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(A)		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 inptut current(A)		100
Max. AC inptut 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°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		
EU Version NRS 097		

HYBRID SERIES

Single Phase

LXP-LB-EU 6k/7k/8k

- Charging/discharging current can reach up to 166A.
- Upgrade to 2 sets of battery terminals for connecting wires
- Touch screen/Color LCD
- Integrated UPS function
- AC coupling function
- Support up to 10pcs in parallel
- Support single phase connected in parallel to three-phase
- Separate generator port available



SpecifiCation

Input DC (PV Side)	LXP-LB-EU 6K	LXP-LB-EU 7K	LXP-LB-EU 8K
Max. DC input power for single MPPT(W)	5000/5000	6000/6000	6000/6000
Max. PV array power(W)	10000	12000	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	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	
Recommend capacity of battery per inverter		2~60kWh	
Max. charging/discharging current(A)	125/125	146/146	166/166
Max. charging/discharging power(W)	6000	7000	8000
Grid			
Rated power(W)	6000	7000	8000
Rated AC voltage(V)		230	
Operating voltage range(V)		180~270	
Max. continuous AC current	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)	6000	7000	8000
Rated output voltage(V)		230	
Rated output frequency(Hz)		50/60	
UPS nominal output current	26A	32A	30.5A
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		Transformer-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 20ms
- LCD color touch screen



LU X POWER^{TEK}

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 input current(A)	66		80
Max. AC input 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, 0.55	
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		96.4%	
Protection			
PV reverse polarity protection		YES	
Over current/voltage protection		YES	
Anti-islanding protection		YES	
AC short-circuit protection		YES	
Leakage current protection		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		IP65/ 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-1547.1:2020, CEC, FCC SDOC, NEC Section 690.12 E5000, SA1718			

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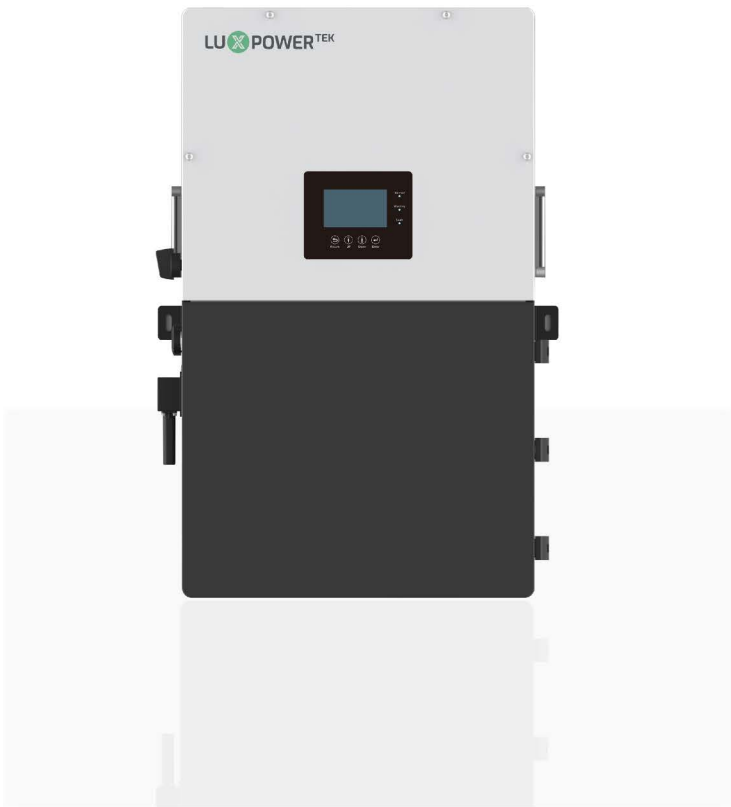


HYBRID SERIES

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



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 input current(A)		100
Max. AC input 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		IP65/ 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-15471:2020, CEC, FCC 5DOC, NEC Section 690.12 E5000, SA1718		

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



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				50/50/50	
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, 0.55					
Switching time	20ms					
Wave form	Sine wave					
THDV	<3%					
Efficiency						
Max. MPPT efficiency	99.0%					
European efficiency	95.5%					
Max. Charge/Discharge efficiency	96.0%					
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	43kg/94.8lbs					
Ingress protection rating	IP65					
Operating environment temperature range	-25~60°C					
Storage temperature range	-40~70°C					
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						

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.

ECO HYBRID



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.



ECO HYBRID

How it works

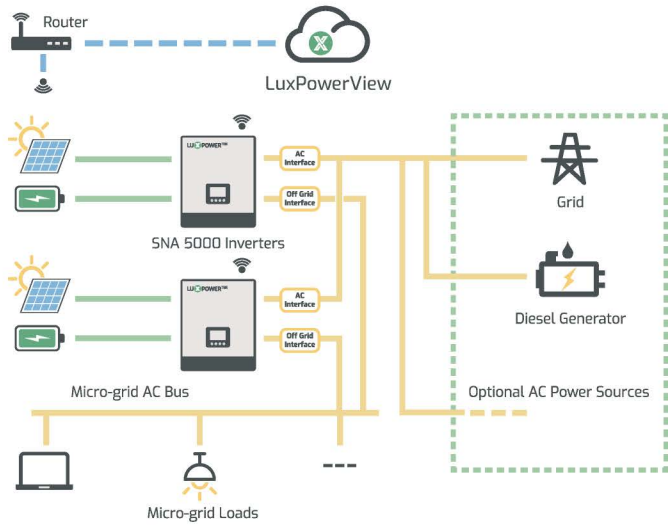
Your Reliable Energy Solution Partner

/ System 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

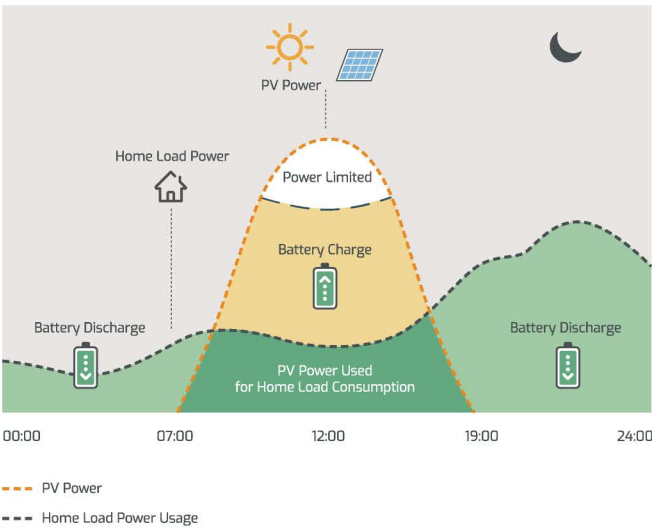
Can partially or entirely replace diesel generator. Flexible from 3 to 50kW.



/ 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.



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. charging/discharging power(W)	3000	4000	5000	6000				
Recommend 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 input current(A)	26	35	35	39.5				
Max. AC input 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, <25							
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)	330*505*135mm/13*19.9*5.3inch							
Weight	14.5kg/32lbs							
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	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)		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)	110		140
Max. charging/discharging power(W)	5000		6000
Recommend 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 input current(A)	36.5A@220V/33.5A@240V		41A@220V/37.5A@240V
Max. AC input power(W)	8000		9000
PF		0.99	
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, <25	
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)		450*650*150mm/17.7*25.6*5.9inch	
Weight		14.5kg/33.1lbs	
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		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			

AC Retrofit

- LXP 3600 ACS / LXP 3600 SQPOD

DC Retrofit

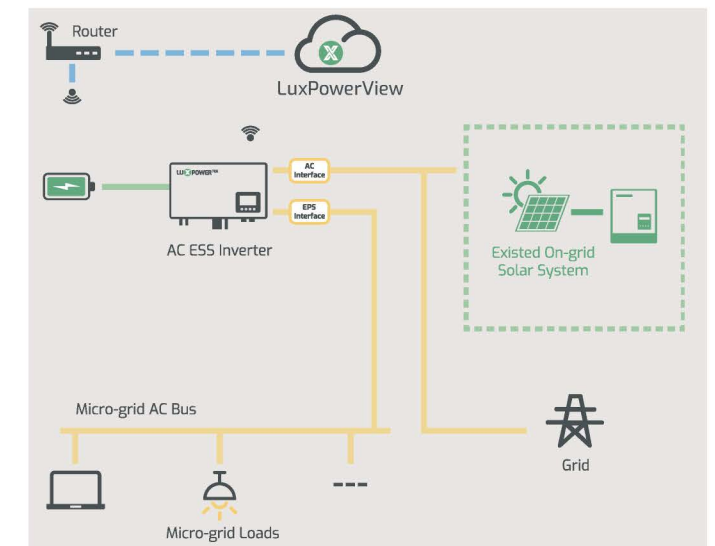
- LSP 100k

One Step to Retrofit Your Solar System

/ AC Retrofit

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

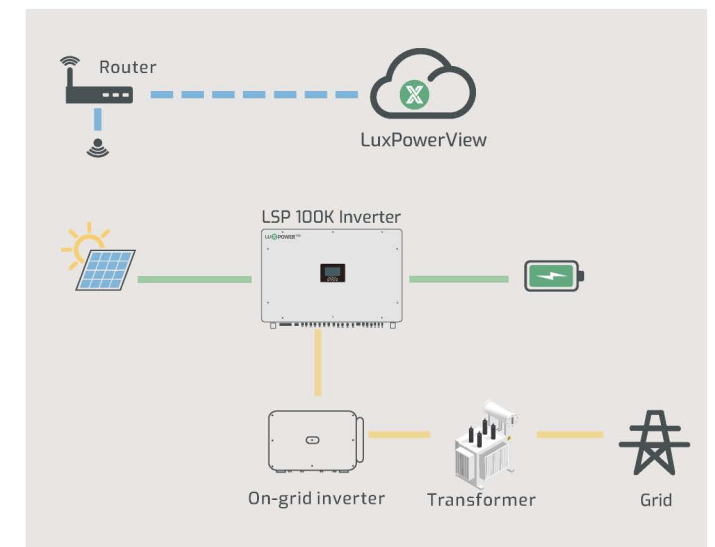
It couldn't be easier than installing an LXP AC series inverter coupled on AC side with a battery pack. Installation of a Lux AC system should not affect existing solar systems or feed in tariffs.



/ DC Retrofit

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

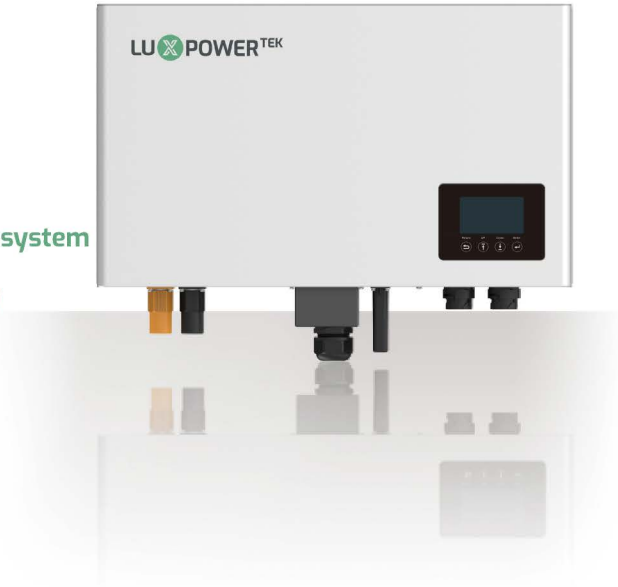
- It becomes compatible with batteries, enabling the addition of more PV panels, while also allowing the PV system to operate on a predefined schedule;
- By setting the charging/discharging timeline of the battery, it achieves an equivalent/similar effect as the Peak Shaving operating mode.



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		
IEC 62109, IEC 62040,EN 61000, VDE-AR-N 4105, AS4777.2, EN50549-1+NC RFG, G98		

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.



Lux Power Battery Storage Agile Auto Charge

Luxpower and Infinity Innovations 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 Infinity 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

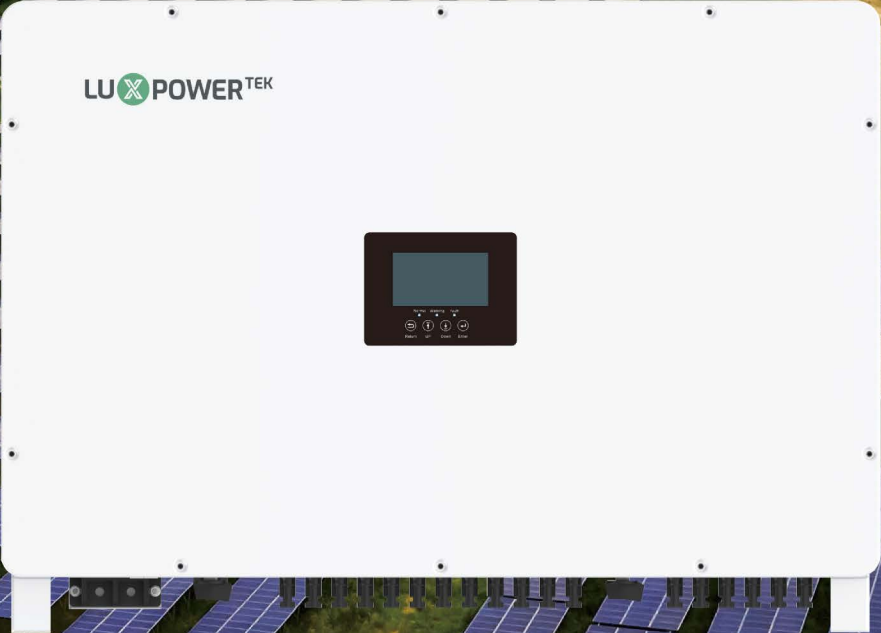
You can also set periods where the batteries can charge but will not discharge. For example, block discharging from midnight to 6am and your batteries will charge using only the cheapest rates but will not discharge. So you can set all heavy usage items - washing machines, dishwashers, EV charging etc. 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.

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:

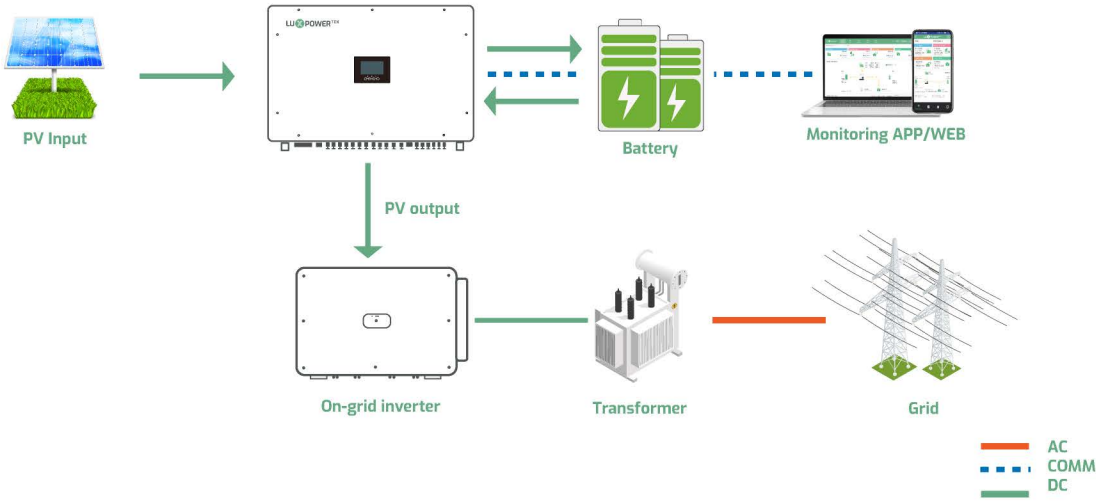
- It becomes compatible with batteries, enabling the addition of more PV panels, while also allowing the PV system to operate on a predefined schedule.
- By setting the charging/discharging timeline of the battery, it achieves an equivalent/similar effect as the Peak Shaving operating mode.



- 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

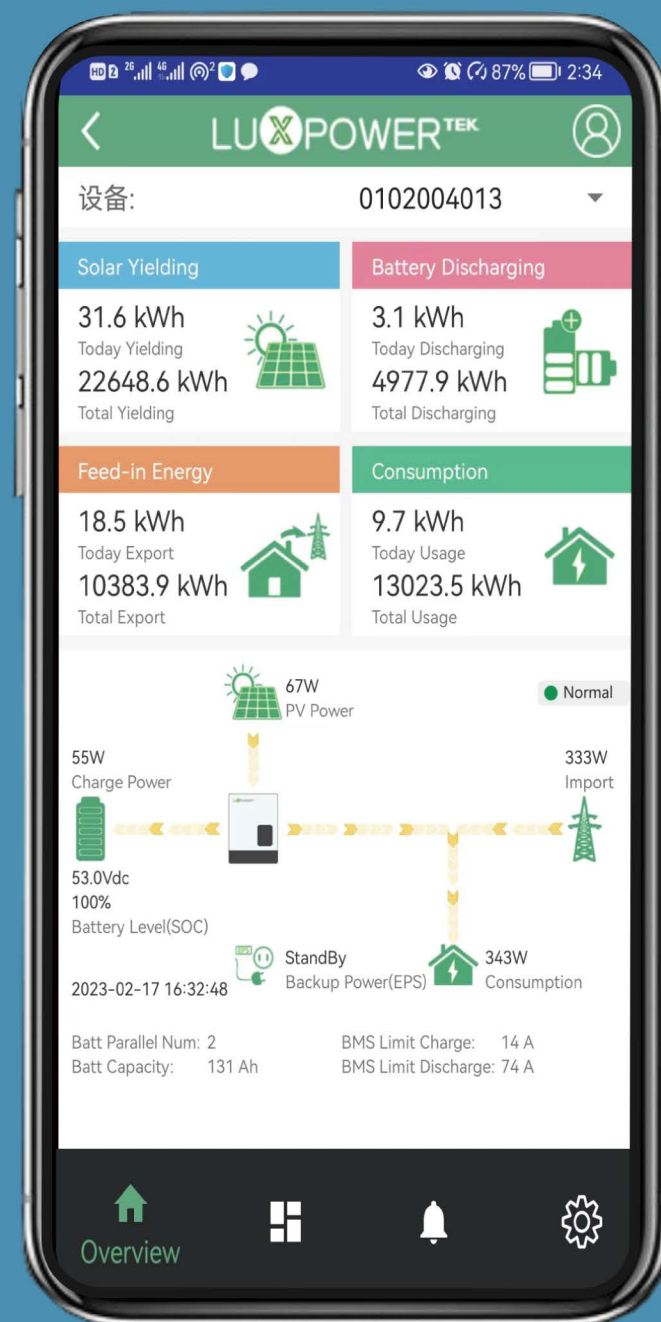
INPUT (PV DC)		LSP 100k
Max. input power(kW)		200
Max. input voltage(V)		1100
Rated PV input voltage(V)		630
MPPT voltage range(V)		300~1000
Start-up voltage(V)		330
Max. short-circuit per MPPT(A)		33
Max. current per MPPT input(A)		26
Number of MPPT tracks		12
Number of input strings		24
Battery		
Type		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°C~60°C
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

LUXPOWER^{TEK}

Top Energy Storage App



For APP Download



Android



IOS

Intelligent Power Management System

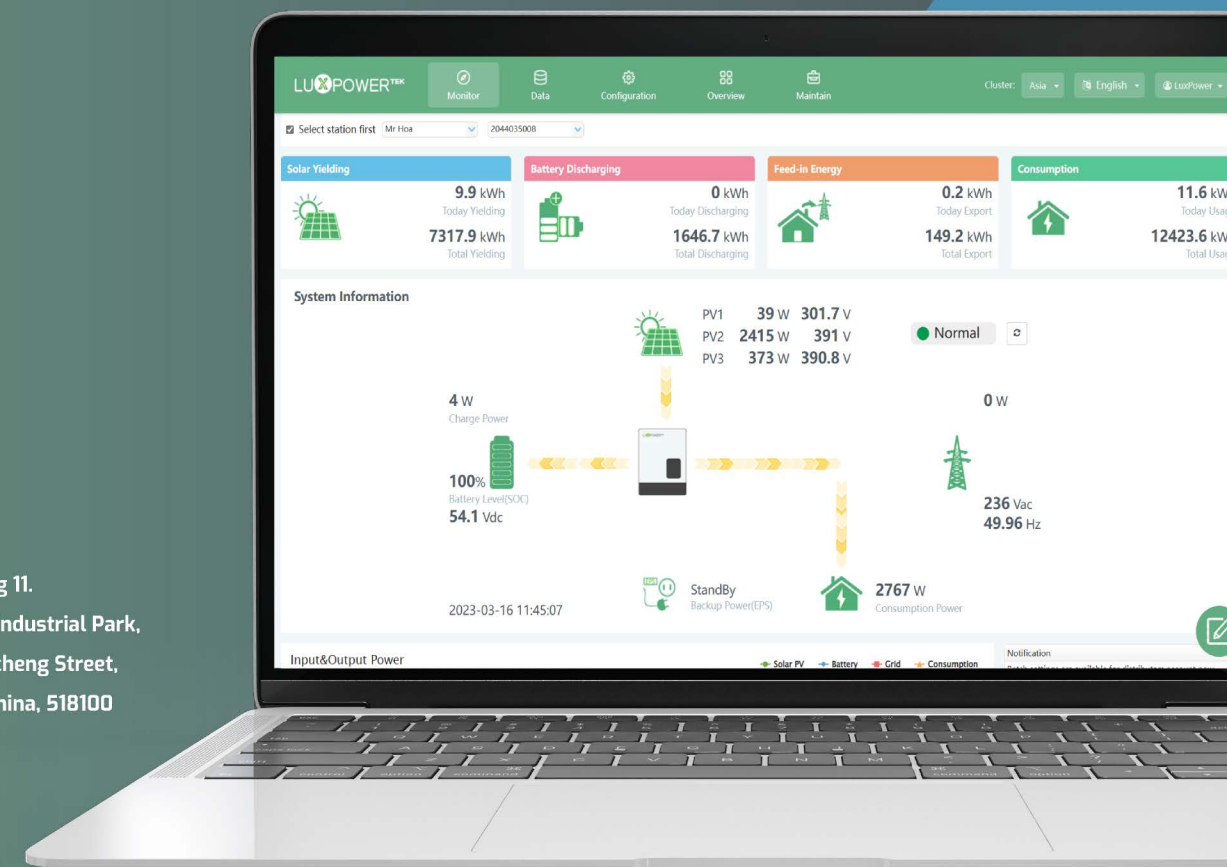
Luxpower has dedicated to making things easier since day 1.
Thanks to the greatly accessible monitor and manager,
all needs from users, installers, and distributors can be met.



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