

Your Reliable Energy Solution Partner

LU X POWER^{TEK}



L U X
P O W E R
T E K



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“Luxpower has powered over 10000+ households all over the world, in hybrid / AC couple / off-grid scenarios.

We are committed to making our users benefit from the sun and enjoy life”



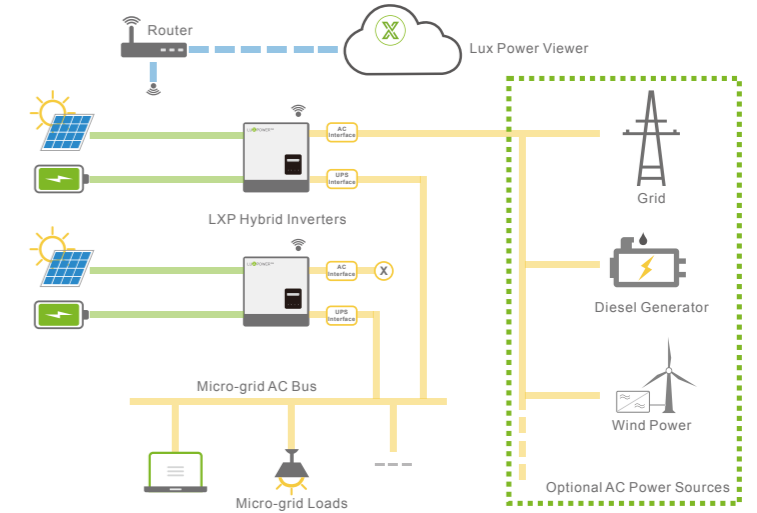
Hybrid Series

- Hybrid LXP 3-6kW
- Hybrid LXP 8-12kW / 8-12kW US
- Hybrid LXP 4-6kW HB
- ECO Hybrid SNA 3-5kW

LU X POWER^{TEK}

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

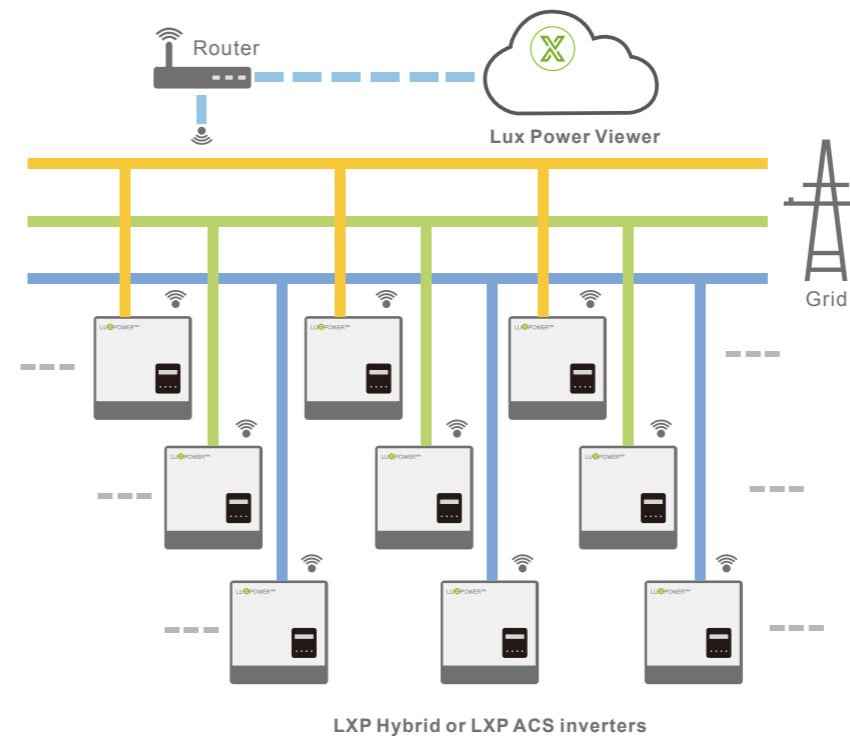
LXP Hybrid enables a programmable and schedulable smart solar energy storage system to help increase your solar energy self-consumption rate, protect your home appliances from grid outage, and balance your energy usage strategy to save energy bill.



System Connection



Paralleling Extensions



Paralleling LXP inverters in one phase to extend the single phase system capacity for either hybrid or AC coupled energy storage applications.

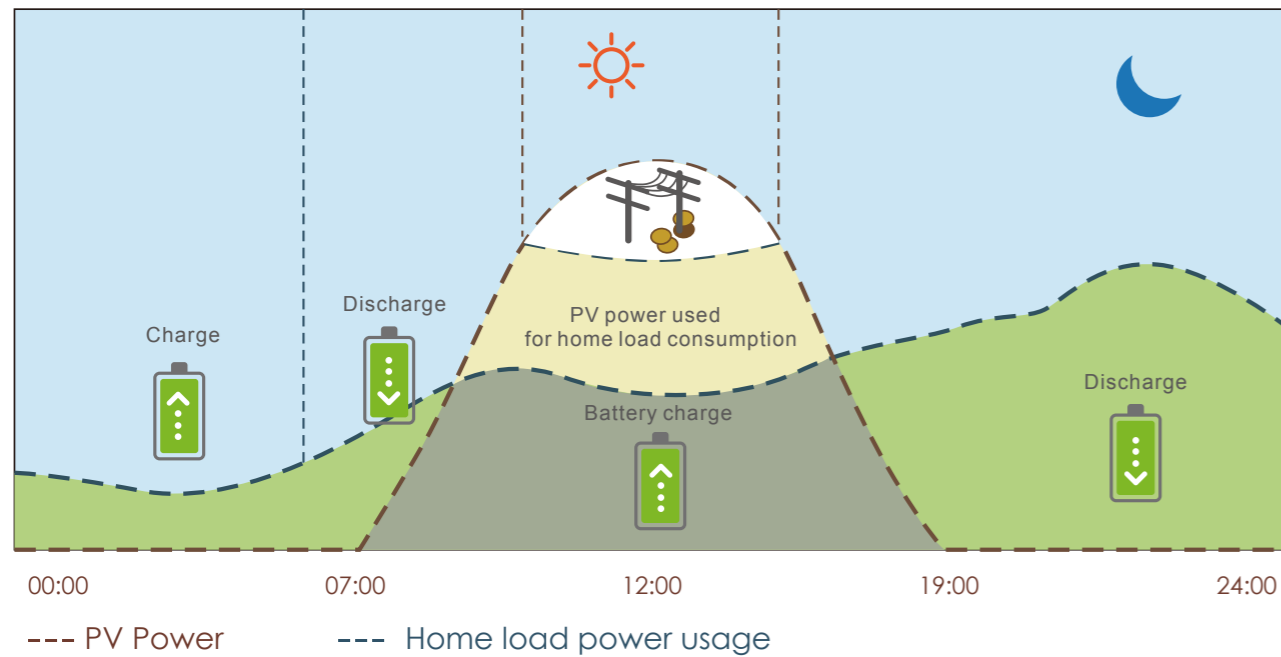
Paralleling LXP inverters (single phase inverters) to build a three phase system for either hybrid or AC coupled energy storage applications.

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

How it works >>>

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.



Force Time Use

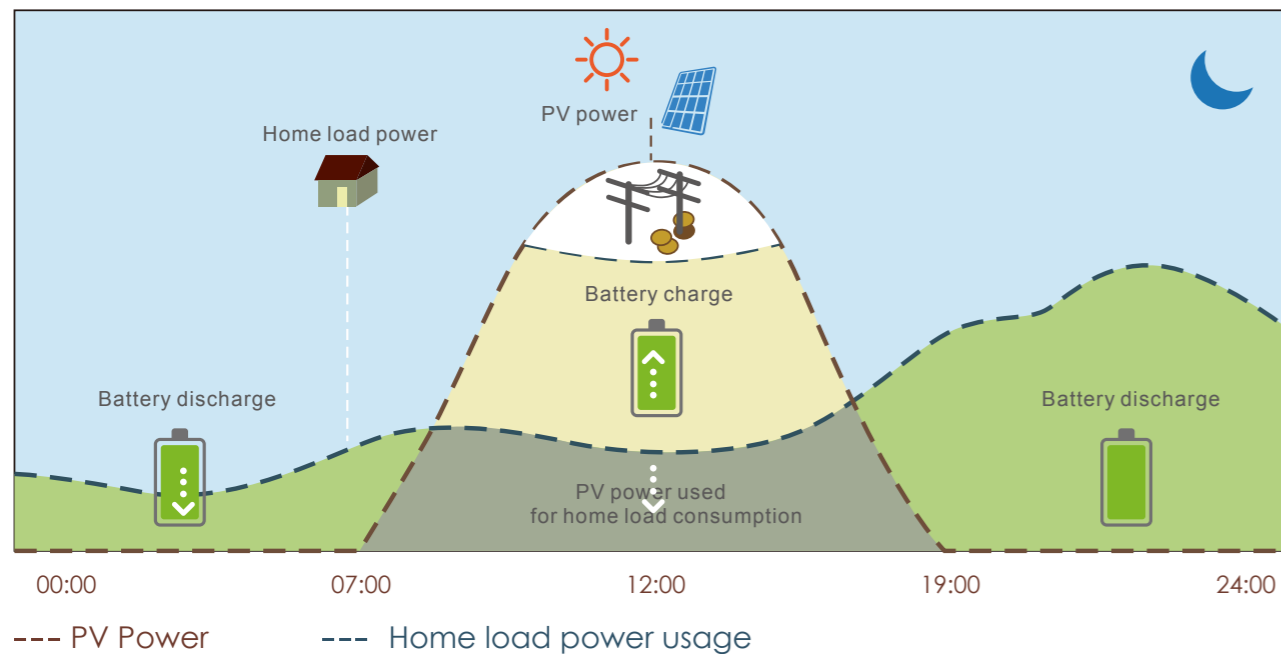


Self Consumption



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.



Key Features



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



Smart UPS

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



Advanced Parallel

- Up to 10 units parallel, expandable to 120kW
- Single phase and unbalanced three phase paralleling
- No limits on cable length connecting to battery or AC



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



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

Your Reliable Energy Solution Partner

LXP3-6K

HYBRID INVERTER

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

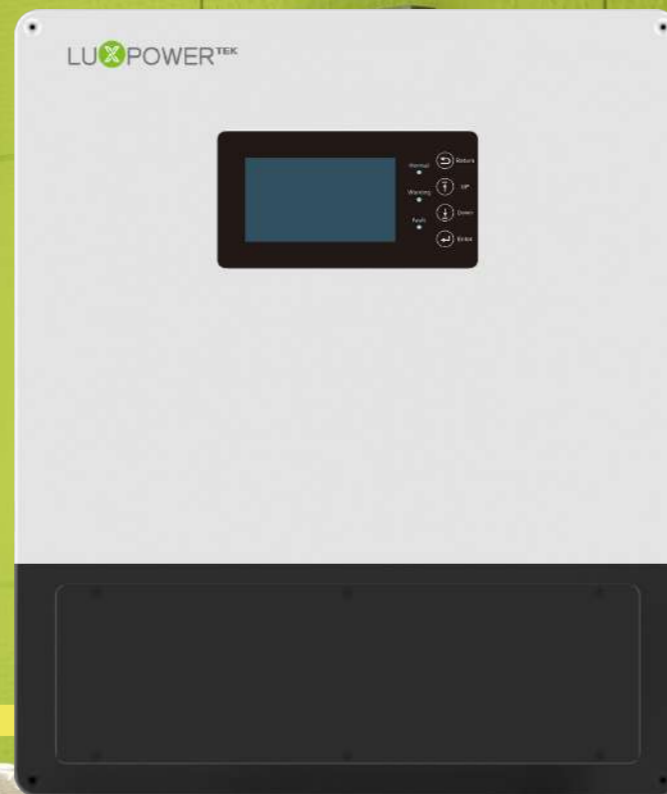


SPECIFICATION

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%
UPS				
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-circuit 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		Transformerless (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, Ethernet	LCD, RS485, Wi-Fi, Ethernet	LCD, RS485, Wi-Fi, Ethernet	LCD, RS485, Wi-Fi, Ethernet

LXP8-12k / 8-12k US

- Color LCD, IP65
- Stronger UPS
- Easy to use with battery
- Advanced parallel, up to 120kW
- Optional 10 year warranty for US
- 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



HYBRID INVERTER

SPECIFICATION

Solar	LXP 7.6K/8K	LXP 9K	LXP 10K	LXP 12K
Max usable input current(A)	15/15/15	15/15/15	27/15/15	27/15/15
Max short circuit input current(A)	17/17/17	17/17/17	34/17/17	34/17/17
Start input voltage(V)	100	100	100	100
Start-up voltage(V)	140	140	140	140
Full power MPPT voltage range(V)	170-480	190-480	210-480	230-480
DC nominal voltage(V) MPPT tracker	360	360	360	360
DC voltage range(V)	100-600	100-600	100-600	100-600
MPPT operating voltage range(V)	60-480	60-480	60-480	60-480
Max power(W)	7000/7000/7000	7000/7000/7000	12000/7000/7000	12000/7000/7000
Number of MPPT(Strings per MPPT)	3(1/1/1)	3(1/1/1)	3(2/1/1)	3(2/1/1)
Battery				
Type	Lead-acid /Lithium	Lead-acid /Lithium	Lead-acid /Lithium	Lead-acid /Lithium
Max charge/discharge current(A)	220	220	220	220
Nominal voltage(V)	48	48	48	48
Voltage range(V)	40-60	40-60	40-60	40-60
Grid				
Nominal output current(A)	31.6/33.3	37.5	41.6	50
Max output current(A)	37	41	46	55
Rated voltage(V)	230/240,Split phase	230/240,Split phase	230/240,Split phase	230/240,Split phase
Operating voltage range(V)	180-270	180-270	180-270	180-270
Nominal power output(W)	8000	9000	10000	12000
Max. apparent AC power(VA)	8900	9900	11000	13200
Operating frequency(Hz)	50/60	50/60	50/60	50/60
Operating frequency range(Hz)	45-55/55-65	45-55/55-65	45-55/55-65	45-55/55-65
Phase shift (cosφ)	0.99@full load	0.99@full load	0.99@full load	0.99@full load
Reactive power adjust range	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8
THDI	<3%	<3%	<3%	<3%
UPS				
Nominal output current(A)	33.3	37.5	41.6	50
Nominal output voltage(V)	240	240	240	240
Rated output power (VA)	8000	9000	10000	12000
Operating frequency(Hz)	50/60	50/60	50/60	50/60
Peak power(VA)		1.1xPn/30min	1.25xPn/5min	1.5xPn/30s 2xPn/10s
THDv	<3%	<3%	<3%	<3%
Switch time(ms)	<20	<20	<20	<20
Efficiency				
EU Efficiency	98%	98%	98%	98%
Max.Efficiency@PV to grid	97.5%	97.5%	97.5%	97.5%
Max. Efficiency@ battery to grid	95%	95%	95%	95%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%
Protection				
Integrated disconnect	DC switch	DC switch	DC switch	DC switch
Reverse polarity protection	YES	YES	YES	YES
DC switch rating for each MPPT	YES	YES	YES	YES
Output over voltage protection	YES	YES	YES	YES
Output over current protection	YES	YES	YES	YES
Ground fault monitoring	YES	YES	YES	YES
Grid monitoring	YES	YES	YES	YES
Pole sensitive leakage current monitoring	YES	YES	YES	YES
AFCI	OPT	OPT	OPT	OPT
RSD	OPT	OPT	OPT	OPT
General				
Dimensions(mm)	650*440*220	650*440*220	650*440*220	650*440*220
Weight(Kg)	38kg	38kg	38kg	38kg
Degree of protection	IP65	IP65	IP65	IP65
Cooling concept	FAN	FAN	FAN	FAN
Topology	Transformer-less	Transformer-less	Transformer-less	Transformer-less
Relative humidity	0~100%	0~100%	0~100%	0~100%
Altitude(m)	<2000	<2000	<2000	<2000
Noise emission(dB)	<50	<50	<50	<50
Internal consumption(W)	<15	<15	<15	<15
Display	Touch color screen	Touch color screen	Touch color screen	Touch color screen
Communication interface	485/Wi-Fi/CAN	485/Wi-Fi/CAN	485/Wi-Fi/CAN	485/Wi-Fi/CAN
Standard Warranty	5/10 years	5/10 years	5/10 years	5/10 years

LXP4-6K HB

High Voltage Hybrid Inverter



- High voltage, higher efficiency
- Intelligent working modes
- Stronger UPS
- Easy to use with battery
- IP65, indoor & outdoor use
- Free monitoring & remote upgrade
- Advanced Parallel, up to 60kW
- Plug & Play, seamless switching under 10ms

SPECIFICATION

Solar	LXP4K HB	LXP5K HB	LXP6K HB
Max. DC Input Power	7000W	8000W	8000W
DC Input Voltage Range	90-550V.d.c	90-550V.d.c	90-550V.d.c
MPPT Voltage Range	100 - 500V.d.c	100 - 500V.d.c	100 - 500V.d.c
Start-up Voltage	120V.d.c	120V.d.c	120V.d.c
MPPT Number	2	2	2
String per MPPT	1/1	1/1	1/1
Max. DC Input Current	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A
Battery			
Compatible Battery Type	Lead-Acid, Li-on etc.	Lead-Acid, Li-on etc.	Lead-Acid, Li-on etc.
Nominal Battery Voltage	250V.d.c	250V.d.c	250V.d.c
Battery Voltage Range	90 - 450V.d.c	90 - 450V.d.c	90 - 450V.d.c
Max. Charge/Discharge Current	20A/20A	25A/25A	25A/25A
Max. Charge/Discharge Power	4000W/4000W	5000W/5000W	6000W/6000W
Charging Curve	3-stages	3-stages	3-stages
Grid			
Nominal AC Output Power	4000W	5000W	6000W
Nominal AC Output Current	17.5A	21.7A	26A
Max. AC Output Current	22A	27A	30A
Nominal AC Voltage	230V	230V	230V
Optional AC Voltage Range	183~264V	183~264V	183~264V
Nominal AC Frequency	50/60Hz	50Hz / 60Hz	50Hz / 60Hz
AC Frequency Range	45-55Hz/55-65Hz	45-55Hz/55-65Hz	45-55Hz/55-65Hz
Power Factor		>0.99@rated power 0.8lagging-0.8 leading Adjustable	
THDI	<3%	<3%	<3%
UPS			
UPS Nominal Power	4000W	5000W	6000W
UPS Nominal Voltage	230Vac	230Vac	230Vac
UPS Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
UPS Nominal Current	17.5A	21.7A	21.7A
Peak Power	5000W, 30s	6200W, 30s	6900W, 30s
THDV	<3%@R-load	<3%@R-load	<3%@R-load
Switching Time	Typical 0.01s	Typical 0.01s	Typical 0.01s
Efficiency			
MPPT Efficiency	>99%	>99%	>99%
Europe Efficiency	96.5%	96.3%	96.3%
Max. Efficiency	97.5%	97.5%	97.5%
Max. Charge/Discharge Efficiency	97%/ 96.6%	97%/ 96.6%	97%/ 96.6%
Protection			
Reverse Polarity Protection	Yes	Yes	Yes
Over Voltage,Over Current	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes
AC Short-circuit Protection	Yes	Yes	Yes
Leakage Current Protection	Yes	Yes	Yes
Ground Fault Monitoring	Yes	Yes	Yes
Grid Monitoring	Yes	Yes	Yes
Ingress Protect Degree	IP65	IP65	IP65
DC Switch	Integrated	Integrated	Integrated
General			
Dimensions (W/H/D)	455 / 476 / 181	455 / 476 / 181	455 / 476 / 181
Weight	20 kg	20 kg	20 kg
Topology	Transformerless	Transformerless	Transformerless
Cooling Concept	Natural Convection	Natural Convection	Natural Convection
Relatively Humidity	0-100%	0-100%	0-100%
Altitude	<2000m	<2000m	<2000m
Noise Emission	<25dB	<25dB	<25dB
Standby Consumption	<10W	<10W	<10W
Display/Communication Interface	LCD/ LED/RS485/ Wi-Fi/ CAN	LCD/ LED/RS485/ Wi-Fi/ CAN	LCD/ LED/RS485/ Wi-Fi/ CAN
Standard Warranty	5 year	5 year	5 year

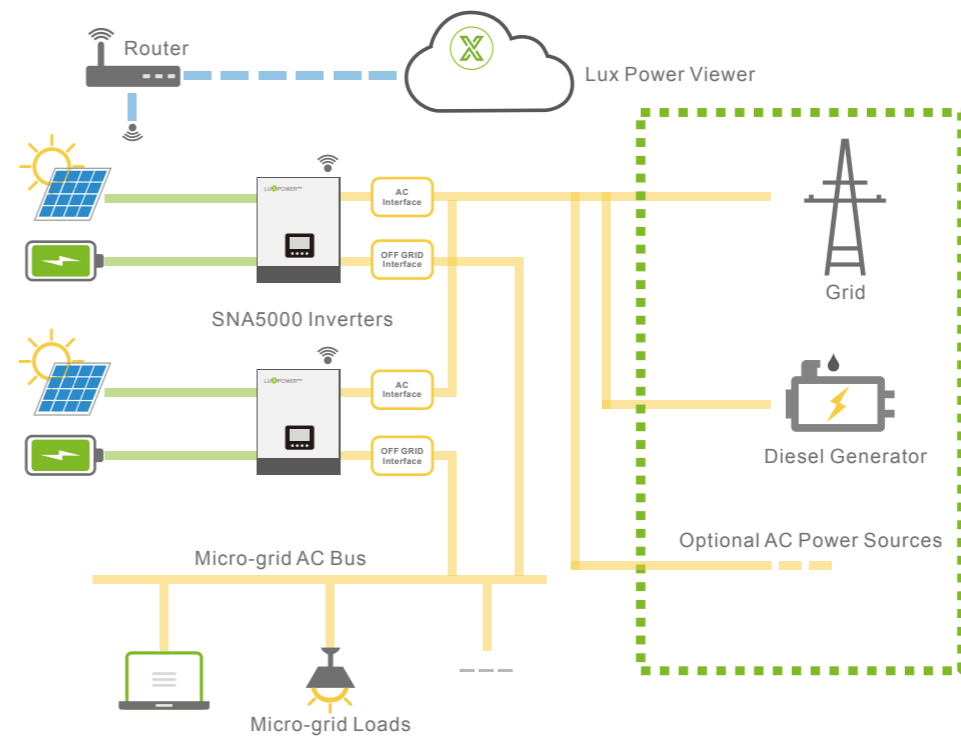
ECO Hybrid

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

ECO Hybrid SNA 3-5K is now available for homes without grid. Inquire your local distributor, re-organize your power at home. No more blackouts.



ECO Hybrid SNA 3-5K



Off grid system is a good solution for the area where the grid power is unstable or there is no electricity at all.

Advantage of solar power:

- Easy to install
- Efficient
- Cost-effective
- Environment-friendly

Can partially or completely replace diesel generator.

Flexible from 3 to 50kW

System Connection

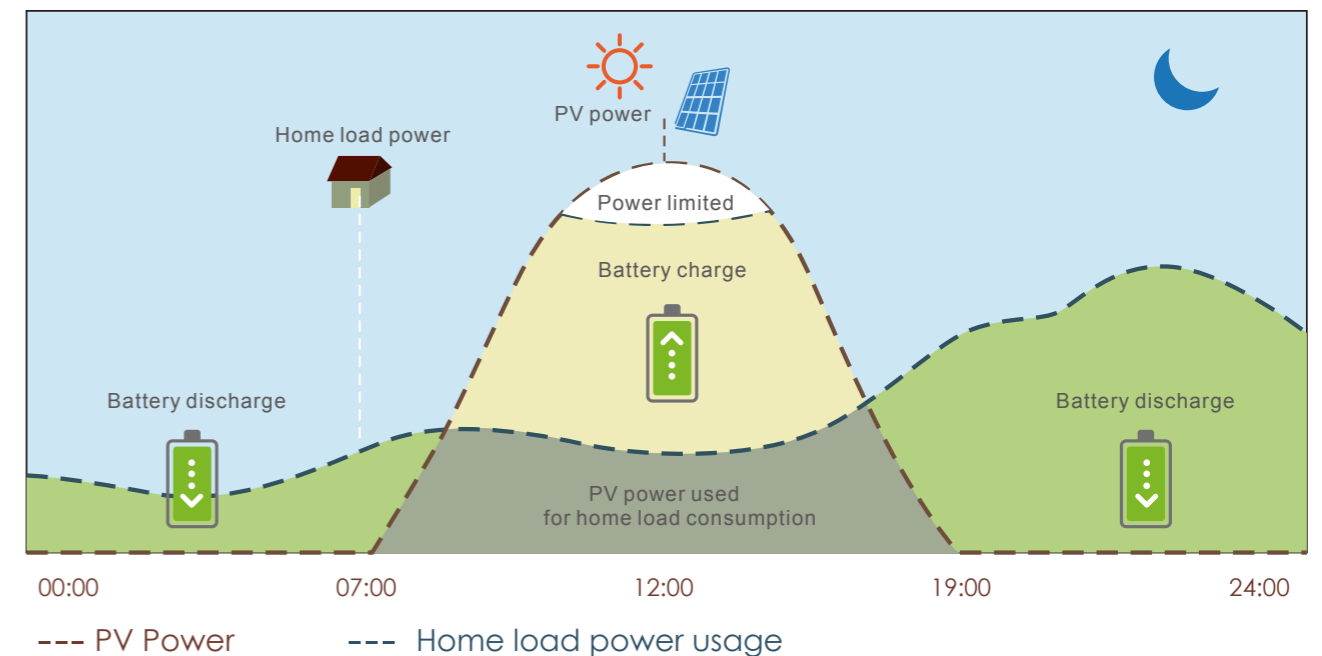


Working Mode

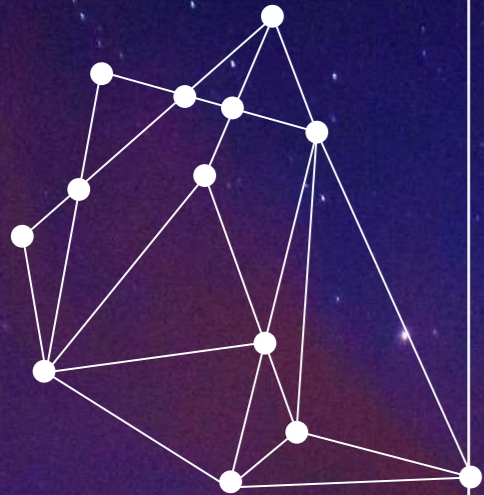
SNA 3-5kW series off grid inverters can support the system to work as a back-up power or a replacement of diesel generator. Since the inverter support paralleling function, the capacity of system can range from 3kW to 50kW. The inverter support several working modes.

Pure off-grid working mode: working as traditional off grid inverters, can set output to utility first, battery first or solar first.

Hybrid working mode: working as a hybrid, support solar and utility jointly take the load, can set to self consumption mode or charge priority mode.



SNA 3-5k | Reclaim Your Power



- **Intelligent offgrid & hybrid modes**
- **PV & AC power loads simultaneously**
- **Wide PV input voltage range**
- **Easy to use with battery**
- **Free monitoring & remote upgrade**
- **Single phase or unbalanced three phase**
- **Advanced Parallel, up to 50kW**
- **Separate generator interface available**
- **Host inverter automatically generated to manage entire system**



SPECIFICATION

Output	SNA3000	SNA4000	SNA5000
Rated power	3000W/3000VA	4000W/4000VA	5000W/5000VA
Parallel capacity	YES	YES	YES
Normal output voltage	230/240, Split phase 220/110 Vac *	230/240, Split phase 220/110 Vac *	230/240, Split phase 220/110 Vac *
Normal output frequency	50/60Hz	50/60Hz	50/60Hz
Surge power	6000VA	8000VA	10000VA
Switch time	10ms	10ms	10ms
Wave form	Pure sine wave	Pure sine wave	Pure sine wave
Battery			
Battery Type	Lithium/Lead-Acid	Lithium/Lead-Acid	Lithium/Lead-Acid
Normal Voltage	51.2V/48V	51.2V/48V	51.2V/48V
Max. Charge Voltage	59V	59V	59V
Solar			
Max. Recommended PV Power	3200W/3200W	3200W/3200W	3200W/3200W
MPPT Tracker	2	2	2
DC Input Voltage range	100-480Vdc	100-480Vdc	100-480Vdc
MPPT Voltage Range	100-385Vdc	100-385Vdc	100-385Vdc
Start-up Voltage	120Vdc	120Vdc	120Vdc
Max. Solar Charge Current	110A	110A	110A
Max. Solar Input Current	13A/13A	13A/13A	13A/13A
Max. MPPT Efficiency	>98%	>98%	>98%
Grid			
Normal Voltage	230Vac	230Vac	230Vac
AC Voltage Range	110-280Vac	110-280Vac	110-280Vac
Max. Charge Current	60A	60A	60A
Frequency Range	50/60Hz(Auto Sensing)	50/60Hz(Auto Sensing)	50/60Hz(Auto Sensing)
General			
Dimensions(W/H/D)	330x504x135mm	330x504x135mm	330x504x135mm
Weight	14Kg	14Kg	14Kg
Protection Degree	IP20	IP20	IP20
Relative Humidity	5%~95% Relative Humidity(Non-condensing)	5%~95% Relative Humidity(Non-condensing)	5%~95% Relative Humidity(Non-condensing)
Operating Temperature	0°C~50°C	0°C~50°C	0°C~50°C
Storage Temperature	-15°C~60°C	-15°C~60°C	-15°C~60°C
Interfaces			
Display	LCD+LED	LCD+LED	LCD+LED
Lithium Battery Communication	CAN/RS485	CAN/RS485	CAN/RS485
RS485/Dry Connector	YES/YES	YES/YES	YES/YES
Wifi/GPRS	YES/YES	YES/YES	YES/YES
Warranty	2 year	2 year	2 year

*For Split phase version

No More Blackouts

AC Coupled Series

LU  POWER^{TEK}

One Step to Retrofit

Your Solar System

LXP ACS 3600

LXP SQPOD 3600

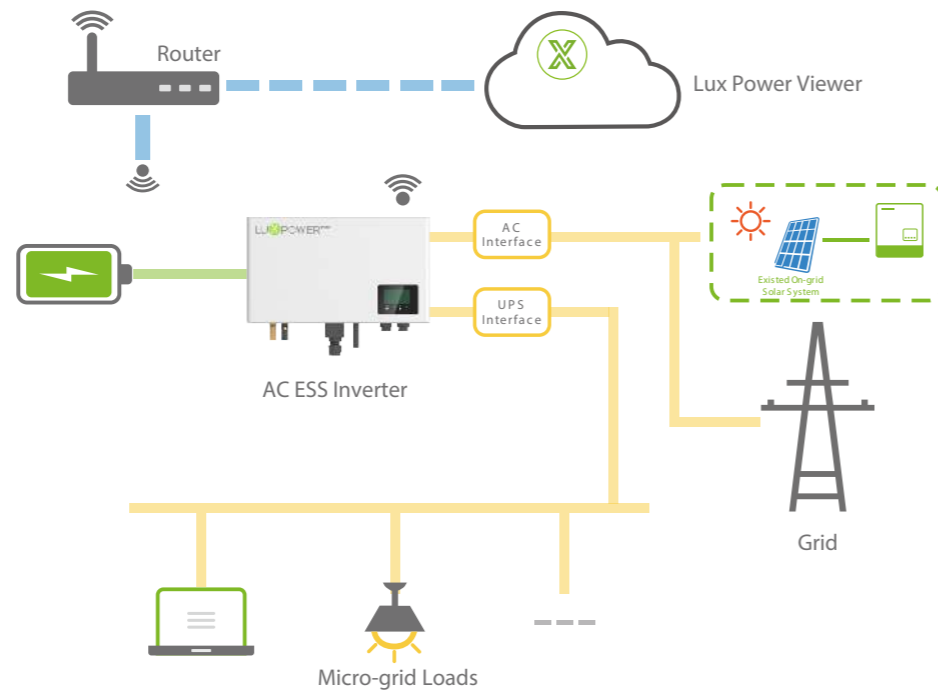


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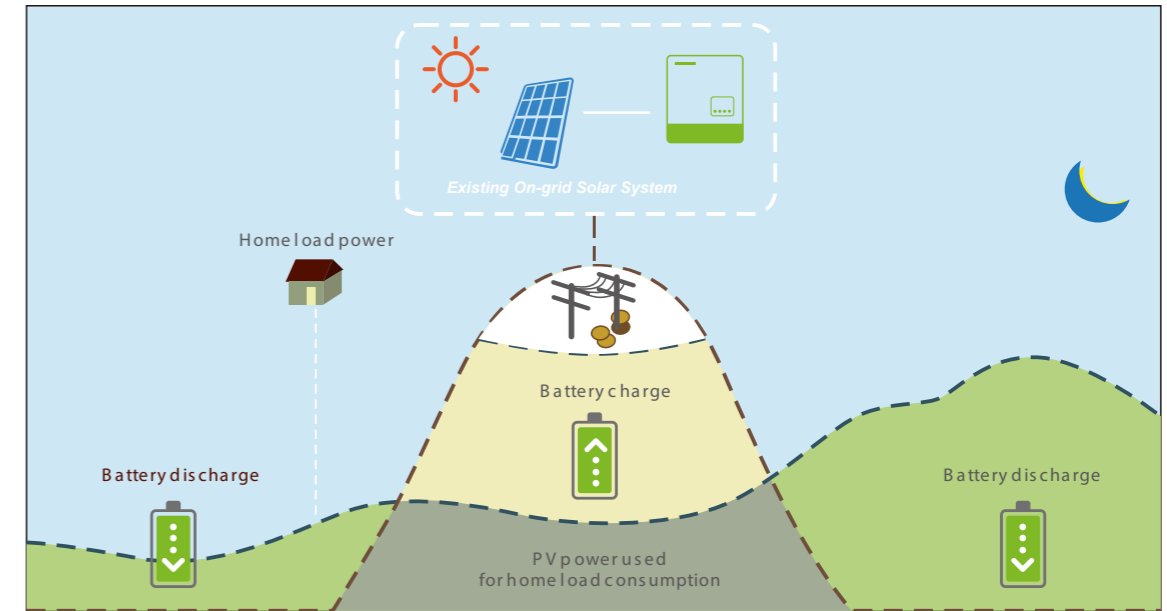
System Connection

To retrofit existing on-grid solar system to energy storage hybrid system

It couldn't be easier than installing a LXP AC series inverter coupled on AC side with a battery pack.



Under self use mode, AC coupled inverter will detect the power of on-grid inverter generated, which will be used by local loads first, and rest will be stored in the battery by using AC coupled inverter, excessive power will be feed back into the grid. This is the default mode which will increase the self consumption rate and reduce the energy bill significantly.



Smart UPS

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



Advanced Parallel for SQPOD

- Up to 10 units parallel, expandable to 36kW
- Single phase and unbalanced three phase paralleling
- No limits on cable length connecting to battery or AC
- Host inverter automatically generated to manage entire system



Easy to use with battery

- Remote upgrade BMS firmware
- Wide range of compatible battery brands
- Wake up Lithium battery when battery shutdown
- Essential info uploaded to Lux server for quick ESS diagnosis
- Flexible connections with battery, group or split both accessible



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

A Real Plug & Play Unit that Helps you Do All in One Step.

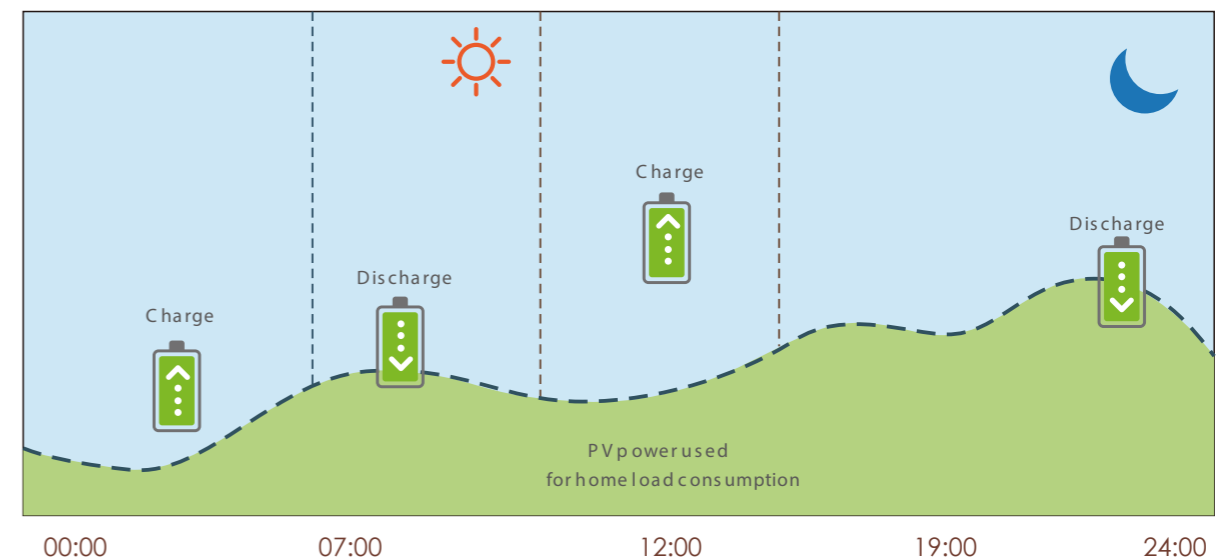
Self Consumption



Force Time Use



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.



--- Home load power usage

AC Coupled Inverter

LXP ACS 3600



- Stronger UPS
- Intelligent working modes
- Generator interface available
- Easy to use with battery
- IP65, indoor & outdoor use
- Free monitoring & remote upgrade
- Retrofit any on-grid systems to be able to run battery
- Plug & Play, seamless switching under 10ms



SPECIFICATION

Battery	ACS 3.6k
Compatible Battery Type	Lithium-ion, Lead-Acid etc.
Nominal Battery Voltage	48V.d.c
Max. Charging Voltage(V)	<=60 V(Configurable)
Max. Charge/Discharge Current	70A / 70A
Battery Capacity(Ah)	100Ah
Charging Mode for Li-Ion Battery	Self-adaption to BMS
Charging for Lead-acid Battery	3-stage adaptive with maintenance
Battery Back Feed Current	0A
Grid	
Nominal AC Output Power to Utility	3600VA
Max. AC Output Power to Utility	3600VA
Max. AC Input Power from Utility	5980VA
Max. AC Output Current to Utility	16A
Max. AC Input Current From Utility	26A
Nominal Output Voltage	220/230V.a.c
AC Voltage Range	180 - 270V.a.c
Nominal AC Frequency	50Hz/60Hz
AC Over Current Protection	31A
Power Factor	1(adjustable 0.8leading -0.8lagging)
THDI	<3%
AC Over Voltage Category	Category III
UPS	
Max. Output Power	3600VA
Nominal Output Voltage	230V.a.c
Nominal Output Frequency	50Hz / 60Hz
Max. Output Current	16A
Peak Power	4500VA, 30s
THDV(linear load)	<3%
Switching Time	Typical 0.01s
Back-up Over Current Protection	31A
Efficiency	
Max. Charge/Discharge Efficiency	96%
Protection	
Reverse Polarity Protection	YES
Over Current/Voltage Protection	YES
Anti-islanding Protection	YES
AC Short-circuit Protection	YES
Leakage Current Protection	YES
Ground Fault Monitoring	YES
Grid Monitoring	YES
Ingress Protection Degree	IP65 / NEMA4X
General Data	
Dimension(mm)	650*440*220
Weight	15.6 kg
Topology	HF
Cooling Concept	Natural Convection
Relatively Humidity	100%
Altitude	<2000m
Noise Emission	<25dB
Standby Consumption	<5W
Display & Communication Interfaces	LCD, LED, RS485, Wi-Fi, CAN
Standards	G83, G100, CE, SAA EN61000-6-3

AC Coupled Inverter

LXP SQPOD 3600



- Stronger UPS
- Intelligent working modes
- IP65, indoor & outdoor use
- Generator interface available
- Free monitoring & remote upgrade
- Advanced Parallel, up to 36kW
- Plug & Play, seamless switching under 10ms
- Retrofit any on-grid systems to be able to run battery

SPECIFICATION

Battery

Compatible Battery Type
Nominal Battery Voltage
Max. Charging Voltage(V)
Max. Charge/Discharge Current
Battery Capacity(Ah)
Charging Mode for Li-Ion Battery
Charging for Lead-acid Battery
Battery Back Feed Current

SQPOD 3.6k

Lithium-ion, Lead-Acid etc.
48V.d.c
<=60 V(Configurable)
70A / 70A
100Ah
Self-adaption to BMS
3-stage adaptive with maintenance
0A

Grid

Nominal AC Output Power to Utility
Max. AC Output Power to Utility
Max. AC Input Power from Utility
Max. AC Output Current to Utility
Max. AC Input Current From Utility
Nominal Output Voltage
AC Voltage Range
Nominal AC Frequency
AC Over Current Protection
Power Factor
THDI
AC Over Voltage Category

3600VA
3600VA
5980VA
16A
26A
220/230V.a.c
180 - 270V.a.c
50Hz/60Hz
31A
1(adjustable 0.8leading -0.8lagging)
<3%
Category III

UPS

Max. Output Power
Nominal Output Voltage
Nominal Output Frequency
Max. Output Current
Peak Power
THDV(linear load)
Switching Time
Back-up Over Current Protection

3600VA
230V.a.c
50Hz / 60Hz
16A
4500VA, 30s
<3%
Typical 0.01s
31A

Efficiency

Max. Charge/Discharge Efficiency

96%

Protection

Reverse Polarity Protection
Over Current/Voltage Protection
Anti-islanding Protection
AC Short-circuit Protection
Leakage Current Protection
Ground Fault Monitoring
Grid Monitoring
Ingress Protection Degree

YES
YES
YES
YES
YES
YES
YES
IP65 / NEMA4X

General Data

Dimension(mm)
Weight
Topology
Cooling Concept
Relatively Humidity
Altitude
Noise Emission
Standby Consumption
Display & Communication Interfaces

650*440*220
15.6 kg
HF
Natural Convection
100%
<2000m
<25dB
<5W
LCD, LED, RS485, Wi-Fi, CAN

Standards

G83, G100, CE, SAA
EN61000-6-3

LSP 100K

DC/DC



- IP65 design, quick installation
- Touch screen, free monitor
- Advanced power management
- Handy apps available on mobile
- Flexible account settings for multi level type users
- DC coupled, 24strings Solar input and 12 strings output
- Retrofit on grid system to energy storage hybrid system
- Intelligent data collection for remote service assistance

Input	LSP 100k
Max. input power	200kW
Max. input voltage	1,000V
input nominal voltage	630V
input voltage range	300-1000V
Start voltage	330V
Max. short current per MPPT	40A
Max current per MPPT input	26A
Number of MPPT tracks	12
Number of input strings	24
Output	
DCDC output rated power	100kW
Normal output voltage	650V
Output voltage range	500~1000V
Max output current	20A
Output strings	12
Output tracks	12
Battery	
Type	Lead-acid/Lithium
MAX charge and discharge power	100kW
Voltage range	300~700Vdc
MAX charge and discharge current	200A
Max charge and discharge efficiency	98.7%(TBD)
Protection	
DC Reverse-polarity Protection	Yes
DC Surge Arrester	Type II
Communication	
Display	LED+LCD/Touch button
WiFi	Yes
General	
Dimensions (W x H x D)	TBD
Weight (with mounting plate)	TBD
Protection Degree	IP65
Topology	Transformerless
Cooling Method	Air cooling
Relative Humidity	0%~100% Relative Humidity(Non-condensing)
Operating Temperature Range	-25°C ~ 60°C
Connector(PV input and Output)	Amphenol UTX
Max. Operating Altitude	2000m
Warranty	5 year
Standards	EN 62109-1/-2, IEC 62109-1/-2

Top Energy Storage App

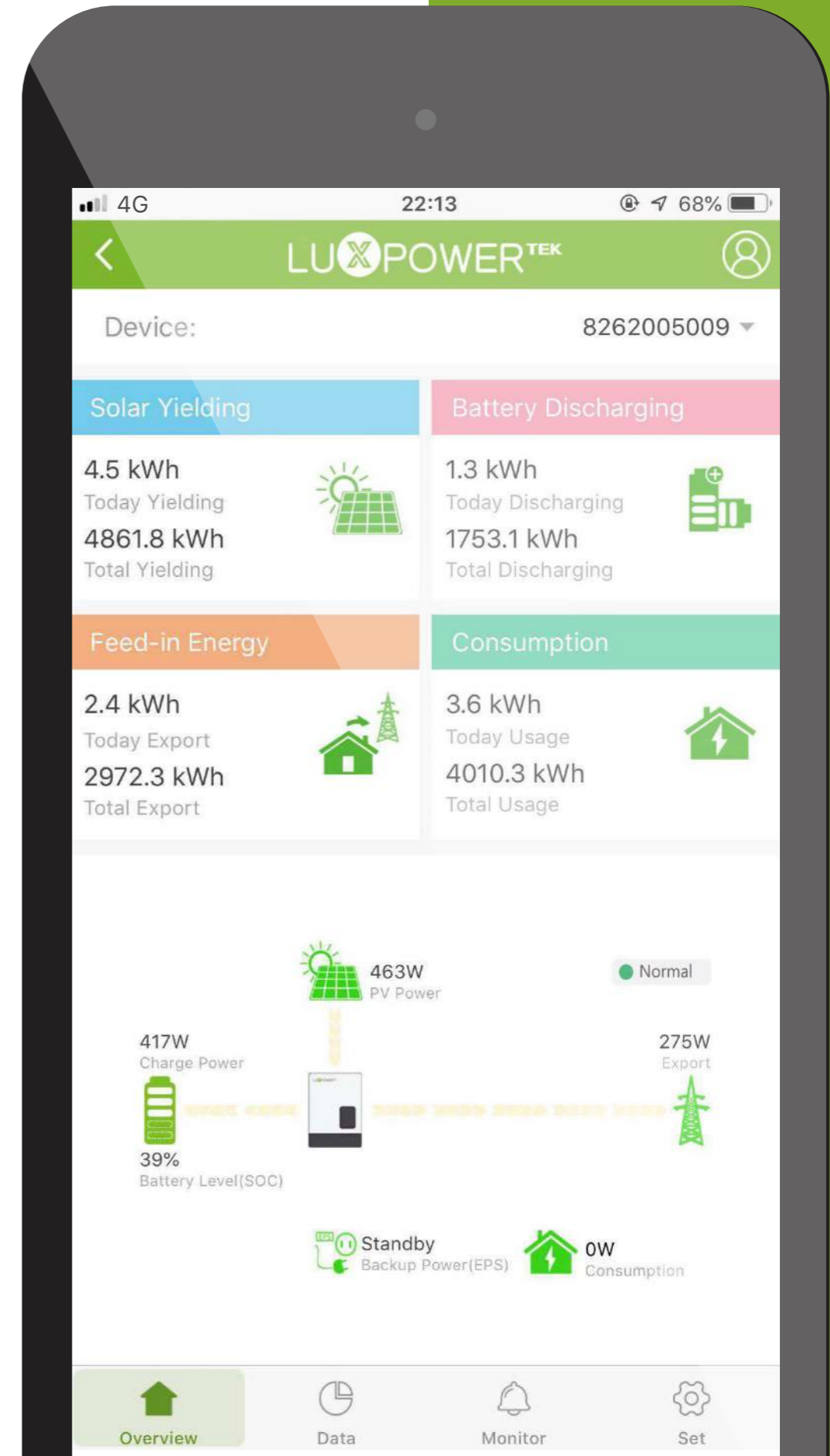
Nominated by LeapDroid UK
<https://leapdroid.com/?p=6076>



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.

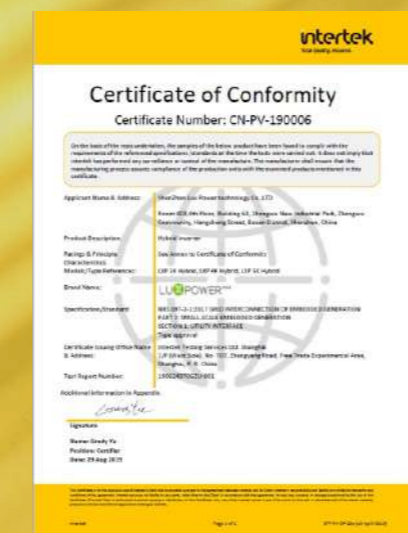


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Certificate



YOUR RELIABLE ENERGY SOLUTION PARTNER

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