PRODUCT BROCHURE

Solar & Energy Storage

LUX POWER TECHNOLOGY CO., LTD

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LUXPOWER TEK

HYBRID INVERTER

LXP 3K/3.6K/4K/4.6K/5K Hybrid

HIGH PERFORMANCE

- Up to **66A** Charge/Discharge current of battery
- Up to **3600W** Charge/Discharge power of grid

ENHANCE UPS

- Seamless switching within **0.01s** with stronger back-up output
- Up to **10** units in parallel of UPS Mode (MG)*

EASY TO USE

- Schedulable working modes, easy installation and setting
- With smaller size and lighter weight **20kg**

REMOTE MONITORING & MAINTENANCE

- Remote monitoring and upgrade

OPTIMIZED HEAT CONTROL

- Much better heat dispassion, and much lower derating

SAFER OPERATION

- Protected connection area, multiple protection devices

IP65 PROTECTION

- Designed for both outdoor and indoor installation

> *Free Remote Monitoring and Management*

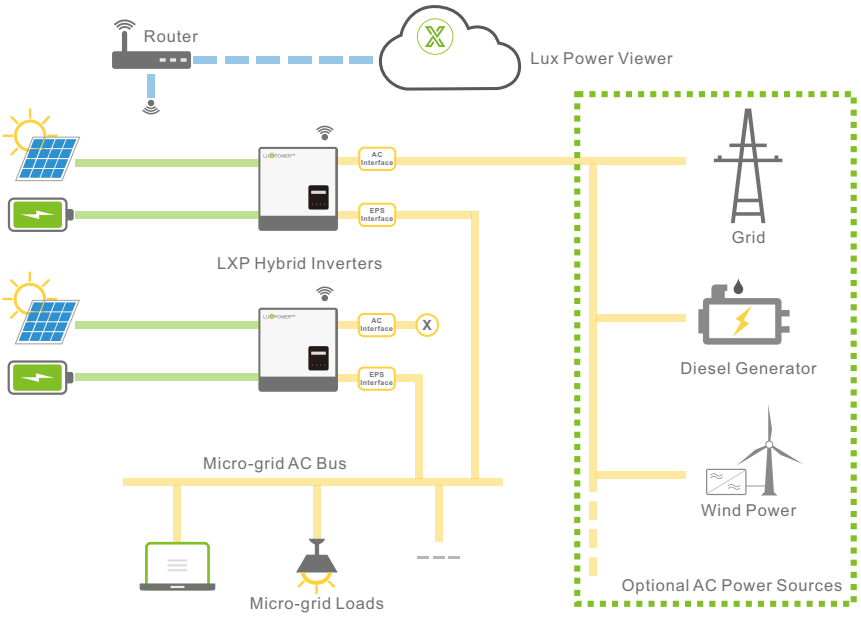
* The model with parallel function is different from standard one, it is MG model.

LUXPOWER TEK

Solar Input	3K	3.6K	4K	4.6K/5K
Max. DC Input Power	6600W	7000W	7000W	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	120 - 500V.d.c	120 - 500V.d.c	120 - 500V.d.c	120 - 500V.d.c
Start-up Voltage	140V.d.c	140V.d.c	140V.d.c	140V.d.c
MPPT Number	2	2	2	2
Max. DC Input Current	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A
Battery Input/Output				
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	66A/66A	66A/66A
Max. Charge/Discharge Power	3600W/3600W	3600W/3600W	3600W/3600W	3600W/3600W
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
AC Input/Output				
Nominal AC Output Power	3000W	3600W	4000W	4600W/5000W
Max. AC Output Power	3000VA	3600VA	4000VA	4600VA/5000VA
Max. AC Output Current	15A	16A	20A	25A
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 Output - with Battery				
UPS Max. Output Power without Solar	3000W	3600W	3600W	3600W
UPS Max. Output Power with Solar	3000W	3600W	4000W	4800W
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	13A	13A	13A
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	Typical 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-ciruit 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 Data				
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	Tranformerless (solar), HF (Battery)	Tranformerless (solar), HF (Battery)	Tranformerless (solar), HF (Battery)	Tranformerless (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
Certification & Approvals	AS 4777, VDE-AR-N4105, VDE0126, G83, G59,EN50438, CEI0-21, NRS097 IEC62109-1-2, IEC62040, EN61000-6-1, EN61000-6-2, EN61000-6-3			

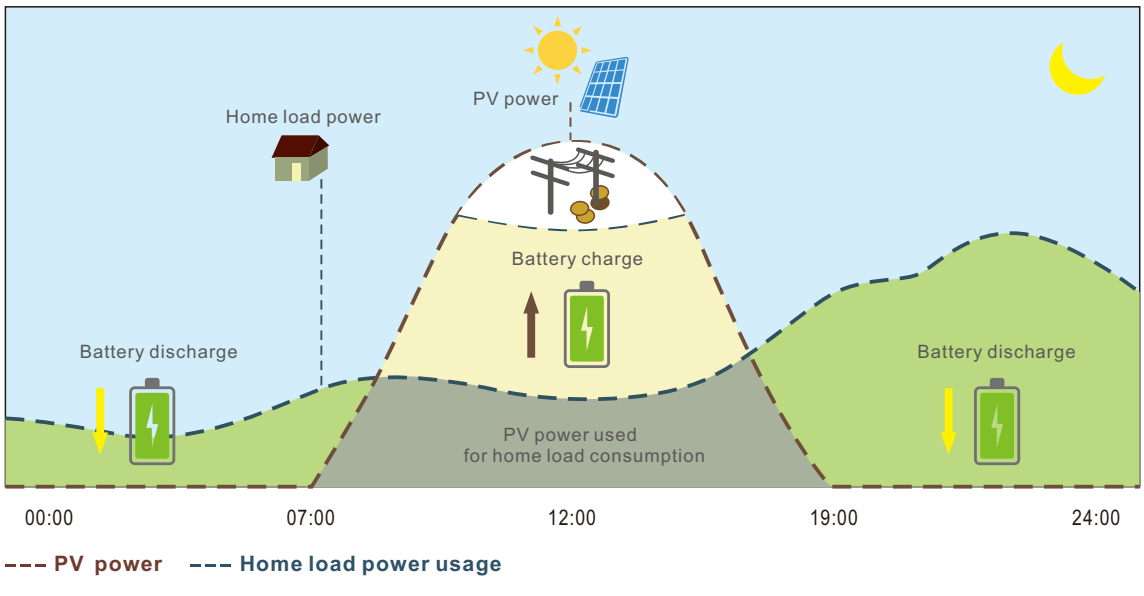
System Connection

A newly designed solar and energy storage hybrid inverter, capable to install in on-grid solar, off-grid solar and back-up systems. LXP Hybrid enables a programable and schedulable smart solar energy storage system to help increase your solar energy self-consumption rate, protect your home appliances from grid shortage, and balance your energy usage strategy to save energy bill.



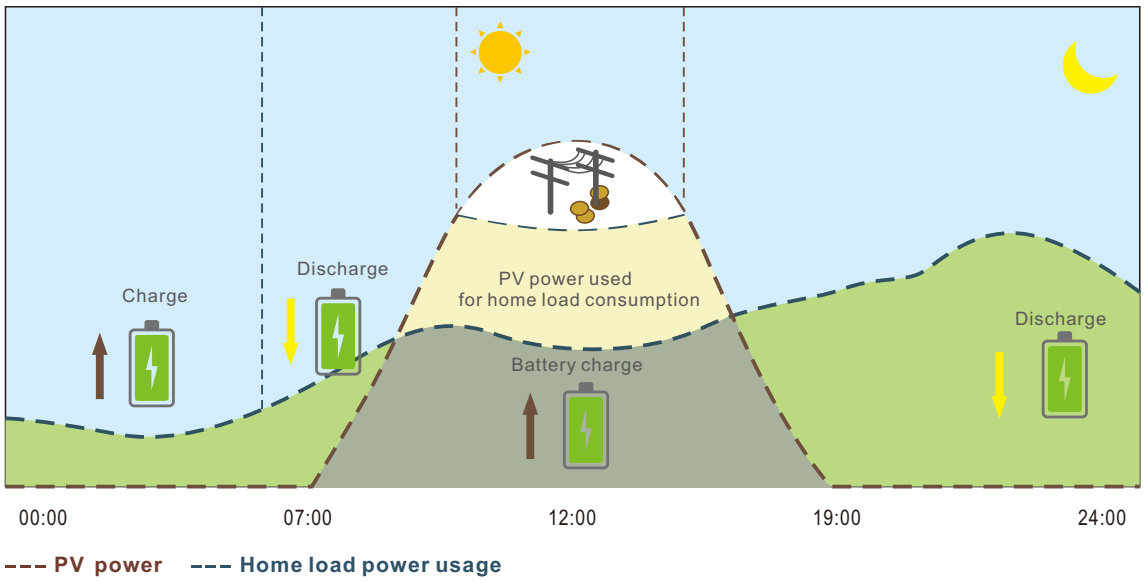
Self Consumption

Under Self Use 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 feed back into the grid. This is the default mode which will increase the self consumption rate and reduce the energy bill significantly



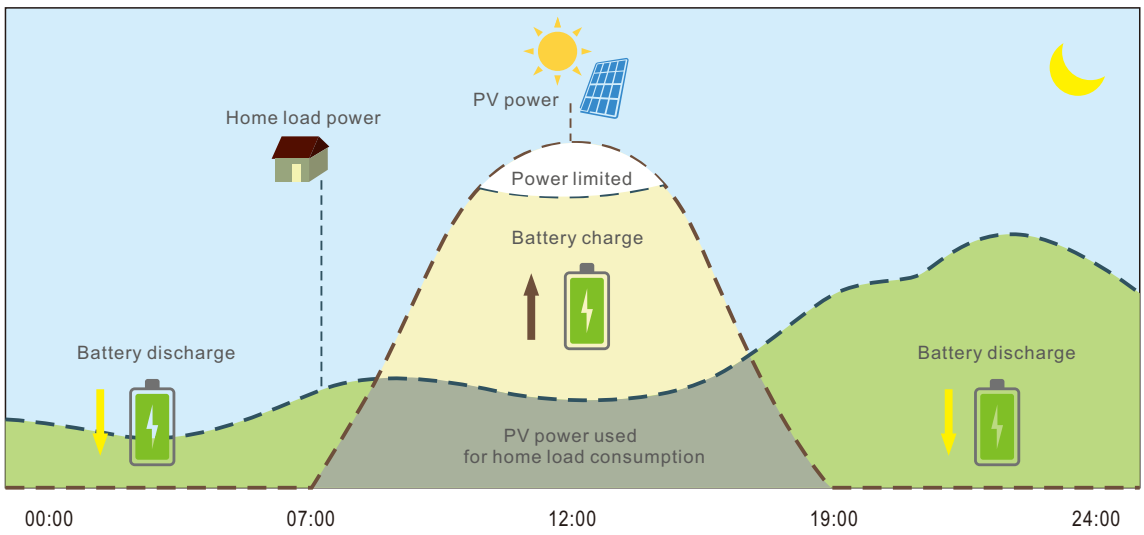
Force Time Use

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.



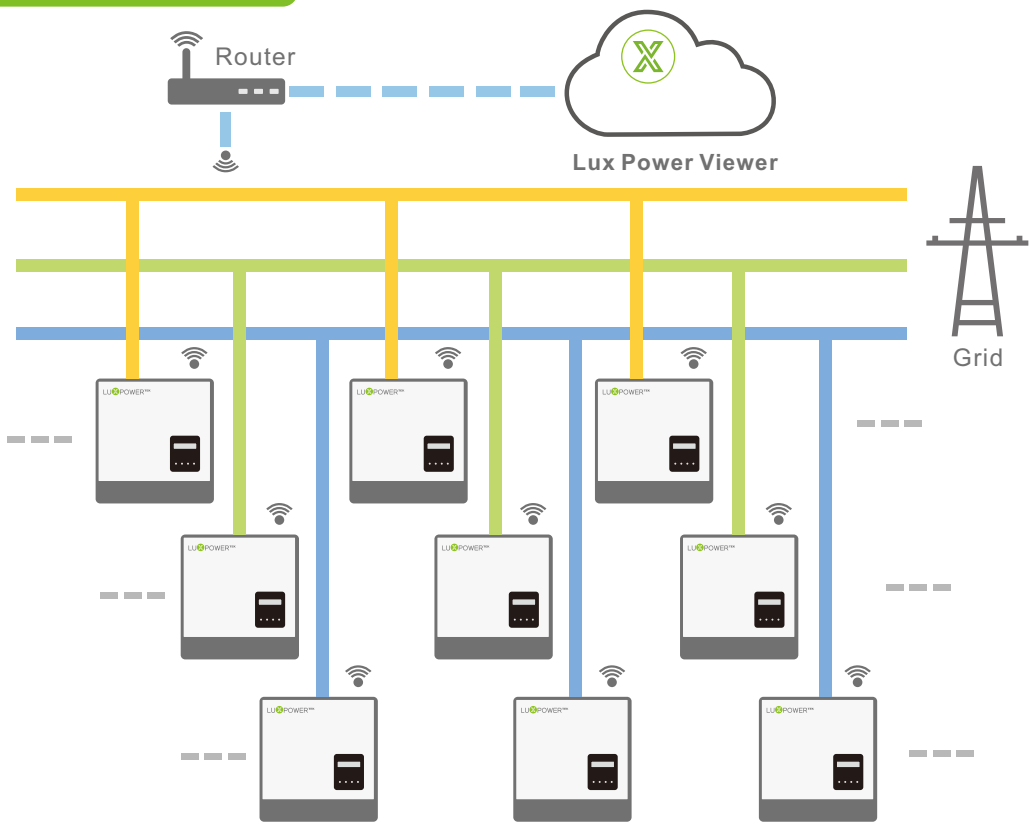
Off grid Working Mode

If enabled UPS function, once the grid is protected accidently, the UPS mode will be automatically and seamlessly activated to ensure your important loads keep working without any black out. Due to the specially designed function, it can support the system to work as a back-up power system or off-grid system. Offgrid working mode can also work when there is only PV.



Paralleling Extensions

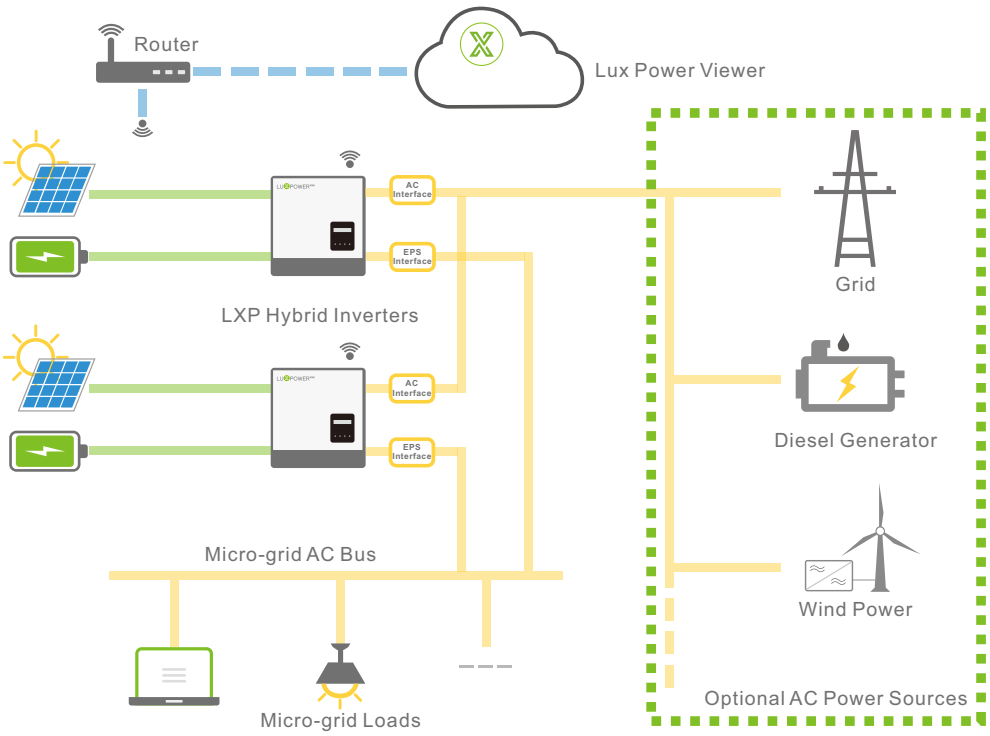
- Paralleling LXP inverters in one phase to extend the single phase system capacity for either hybrid or AC coupled energy storage applications.
- Paralleling LXP inverters (single phase inverters) to build a three phase system for either hybrid or AC coupled energy storage applications.
- Smart paralleling algorithm enable multiple configurable working modes under on-grid, off-grid or micro-grid applications.



LXP Hybrid or LXP ACS inverters

Micro-grid Systems

- Capable with micro-grid applications with various AC power sources
- Multiple configuration available to various applications of micro-grid solution
- Support multiple type of loads, Such as air conditioner, refrigerator
- Flexible programmable working modes, support scheduling on system operation
- System extendable
- Support purely off-grid installation



ALL-IN-ONE Hybrid

Size: 600*860*1400mm

- ALL-IN-ONE DESIGN
- EXPANDABLE BATTERY STORAGE
- TOUCH SCREEN FOR EASY OPERATION
- TWO DOORS DESIGN FOR EASY INSTALLATION
- IP54 PROTECTION

HYBRID
US-Model

LXP-US 3K/4K/5K Hybrid

> *Brilliant choice for hybrid solar energy storage system*

LUXPOWER TEK

Solar Input	3K US	4K US	5K US
Max. DC Input Power	6000W	7000W	8000W
Nominal DC Input Voltage	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
MPPT Voltage Range	235- 500V.d.c	245- 500V.d.c	255 - 500V.d.c
Start-up Voltage	140V.d.c	140V.d.c	140V.d.c
MPPT Number	2	2	2
Max. DC Input Current	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A

Battery Input/Output			
Compatible Battery Type	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid
Nominal Battery Voltage	48V.d.c	48V.d.c	48V.d.c
Battery Voltage Range	40 - 60V.d.c	40 - 60V.d.c	40 - 60V.d.c
Max. Charge/Discharge Current	66A/66A	66A/66A	66A/66A
Max. Charge/Discharge Power	3600W/3600W	3600W/3600W	3600W/3600W
Charging Curve	3 stages	3 stages	3 stages
Max. Charge Voltage	59V	59V	59V
Capacity of Battery	2-20kWh	2-20kWh	2-20kWh

AC Input/Output			
Nominal AC Output Power	3000W	4000W	5000W
Max. AC Output Current	15A	20A	25A
Nominal AC Output Current	12.5A	17A	21A
Default AC Voltage	240V Split phase	240V Split phase	240V Split phase
Optional AC Voltage Type	208V/240V Single phase	208V/240V Single phase	208V/240V Single phase
Optional AC Voltage Range	183-229V/211-264V	183-229V/211-264V	183-229V/211-264V
Nominal AC Frequency	50/60Hz	50/60Hz	50/60Hz
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 Output - with Battery			
UPS Max. Output Power without Solar	3000W	3600W	3600W
UPS Max. Output Power with Solar	3000W	4000W	5000W
UPS Nominal Output Voltage	240V	240V	240V
UPS Opt Voltage Type	120V/208V/240V	120V/208V/240V	120V/208V/240V
UPS Nominal Output Frequency	60Hz	60Hz	60Hz
UPS Nominal Output Current	13A	13A	13A
Peak Power Without Solar	4500W, 30s	4500W, 30s	4500W, 30s
THDV	<3%@R-load	<3%@R-load	<3%@R-load
Switching Time	Typical 0.01s	Typical 0.01s	Typical 0.01s

Efficiency			
Europe Efficiency	96.5%	96.5%	96.5%
Max. Efficiency	97.5%	97.5%	97.5%
Battery Charge/Discharge Efficiency	96%/94.5%	96%/94.5%	96%/94.5%

Protection			
Reverse Polarity Protection	Yes	Yes	Yes
Over Current/Voltage Protection	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes
AC Short-ciruit 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 / NEMA4X	IP65 / NEMA4X	IP65 / NEMA4X
DC Switch	Yes	Yes	Yes
Arc Detection	External Box	External Box	External Box

General Data			
Dimensions (W/H/D)	455 / 476 (565) / 181	455 / 476 (565) / 181	455 / 476 (565) / 181
Weight	20 kg	20 kg	20 kg
Topology	Tranformerless (solar), HF (Battery)	Tranformerless (solar), HF (Battery)	Tranformerless (solar), HF (Battery)
Cooling Concept	Natural Convection	Natural Convection	Natural Convection
Relatively Humidity	0-100%	0-100%	0-100%
Operating Temperature Range	-25 - 60 ℃	-25 - 60 ℃	-25 - 60 ℃
Altitude	<2000m	<2000m	<2000m
Noise Emission	<25dB	<25dB	<25dB
Standby Consumption	<5W	<5W	<5W
Display & Communication Interfaces	LCD, LED, RS485, Wi-Fi, CAN	LCD, LED, RS485, Wi-Fi, CAN	LCD, LED, RS485, Wi-Fi, CAN

Certification & Approvals	
	AS 4777, VDE-AR-N4105, VDE0126, G83, G59
	IEC62109-1-2, IEC62040, EN61000-6-1, EN61000-6-2, EN61000-6-3

HYBRID
HB-Model

LXP-HB 4K/5K/6K Hybrid

Brilliant choice for hybrid solar energy storage system

LUXPOWER TEK

Solar Input	4K HB	5K HB	6K HB
Max. DC Input Power	7000W	8000W	8000W
DC Input Voltage Range	90-550V.d.c	90-550V.d.c	90-550V.d.c
Grid Full-load MPPT Voltage	200 - 500V.d.c	250- 500V.d.c	150 - 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	11A/11A	11A/11A	11A/11A

Battery Input/Output			
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	20A/20A	25A/25A
Max. Charge/Discharge Power	5000W/5000W	5000W/5000W	6000W/6000W
Charging Curve	3-stages	3-stages	3-stages

AC Input/Output			
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	50/60Hz	50/60Hz
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 Output - with Battery			
UPS Nominal Power	4000W	5000W	6000W
UPS Nominal Voltage	230Vac	230Vac	230Vac
UPS Opt Voltage Type	120/208/240Vac	120V/208V/240Vac	120/208/240Vac
UPS Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
UPS Nominal Current	17.5A	21.7A	26A
Peak Power	5000W, 30s	6200W, 30s	6200W, 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-ciruit 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 Data			
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	5years	5years	5years

Certification & Approvals	AS 4777, VDE-AR-N4105, VDE0126, G83, G59 IEC62109-1-2, IEC62040, EN61000-6-1, EN61000-6-2, EN61000-6-3

AC COUPLED ESS INVERTER

LXP 3600 ACS

HIGH PERFORMANCE

- Up to **70A** Charge/Discharge current of battery
- Up to **3600W** Charge/Discharge power of grid
- Up to **96%** Efficiency of Charge/Discharge With High Frequency Isolation

ENHANCE UPS

- Seamless switching within **0.01s** with stronger back-up output
- Up to **36kW** capacity of UPS in parallel (MG)*

* The model with parallel function is different from standard one, it is MG model.

EASY TO USE

- Schedulable working modes, easy installation and setting

REMOTE MONITORING & MAINTENANCE

- Remote monitoring and upgrade

OPTIMIZED HEAT CONTROL

- Much better heat dispassion, and much lower derating

SAFER OPERATION

- Protected connection area, multiple protection devices

IP65 PROTECTION

- Designed for both outdoor and indoor installation

LXP 3600 ACS

AC coupled energy storage inverter, specially designed for retrofitting solar system. By simply install an AC coupled energy storage system based on this inverter at the AC output of on-grid solar system, you could retrofit your existed on-grid solar system to a solar energy storage system and increase the solar self-consumption rate, enhanced UPS back-up function and reduce energy bill.

Battery Input/Output	3.6K ACS
Compatible Battery Type	Lithium-ion, Lead-Acid etc.
Nominal Battery Voltage	
Max. Charging Voltage(V)	<=60 V(Configurable)
Max. Charge/Discharge Current	70A /70A
Battery Capacity(Ah)	
Charging Mode for Li-Ion Battery	Self-adaption to BMS
Charging for Lead-acid Battery	3-stage adaptive with maintenance
Battery Back Feed Current	

AC Input/Output	
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	220/230V.a.c
AC Voltage Range	180 - 270V.a.c
Nominal AC Frequency	50Hz/60Hz
AC Over Current Protection	
Power Factor	1(adjustable 0.8leading -0.8lagging)
THDI	
AC Over Voltage Category	Category III

UPS Output	
Max. Output Power	
Nominal Output Voltage	
Nominal Output Frequency	50Hz / 60Hz
Max. Output Current	
Peak Power	4500VA, 30s
THDV(linear load)	
Switching Time	Typical 0.01s
Back-up Over Current Protection	

Efficiency	
Max. Charge/Discharge Efficiency	

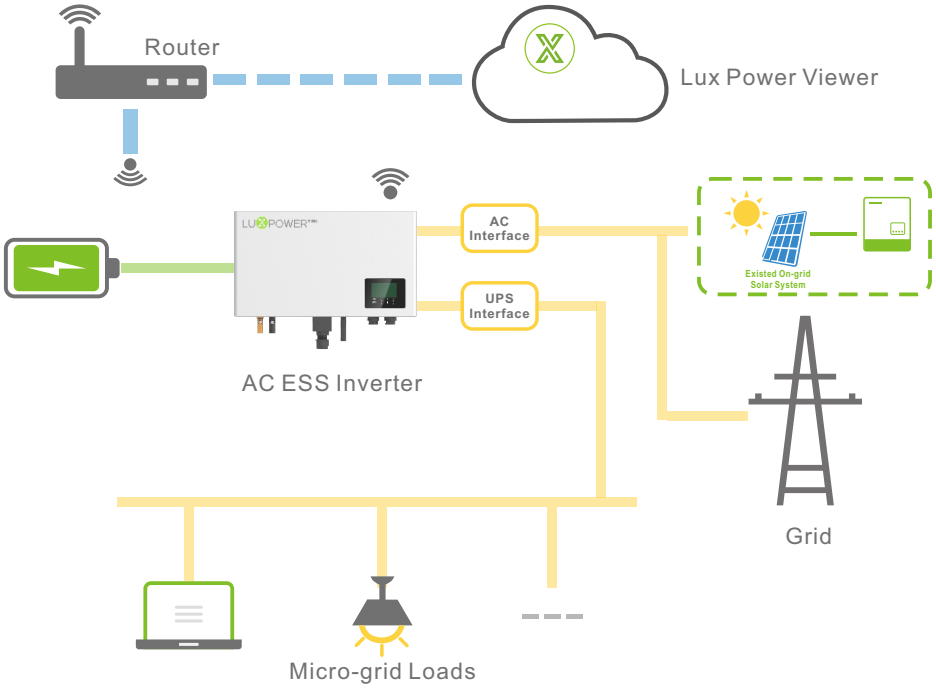
Protection	
Reverse Polarity Protection	
Over Current/Voltage Protection	
Anti-islanding Protection	
AC Short-circuit Protection	
Leakage Current Protection	
Ground Fault Monitoring	
Grid Monitoring	
Ingress Protection Degree	IP65 / NEMA4X

General Data	
Dimension (W/H/D)	565 / 324 / 171
Weight	
Topology	
Cooling Concept	Natural Convection
Relatively Humidity	
Altitude	
Noise Emission	
Standby Consumption	
Display & Communication Interfaces	LCD, LED, RS485, Wi-Fi, CAN

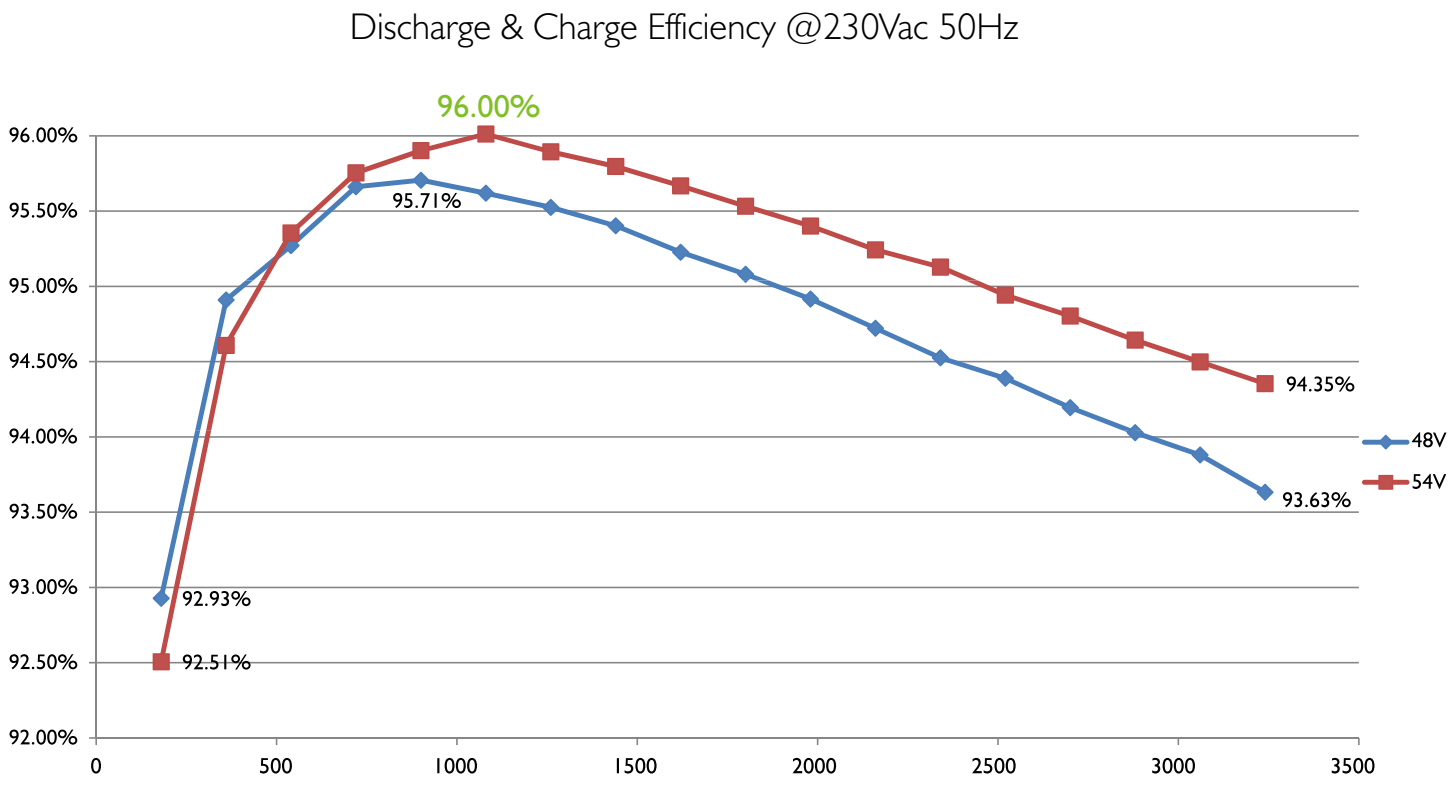
Certification & Approvals	G83, G100,CE EN61000-6-3

System Connection

To retrofit existed on-grid solar system to solar energy storage hybrid system could not be easier than install a LXP AC series inverter coupled on AC side with a battery pack.

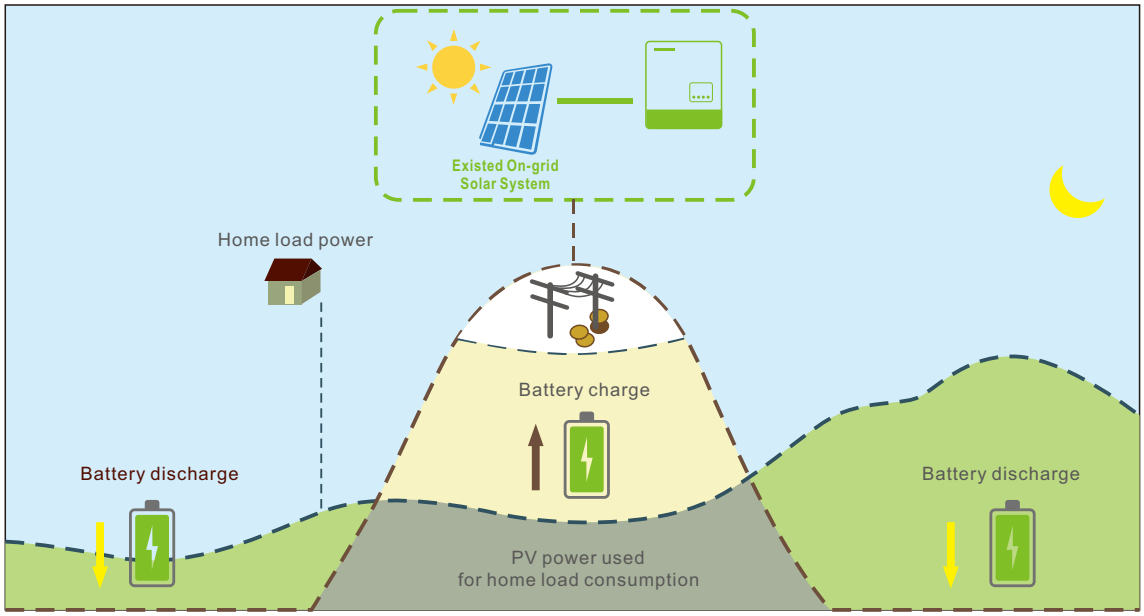


Charge/Discharge Efficiency Cuv



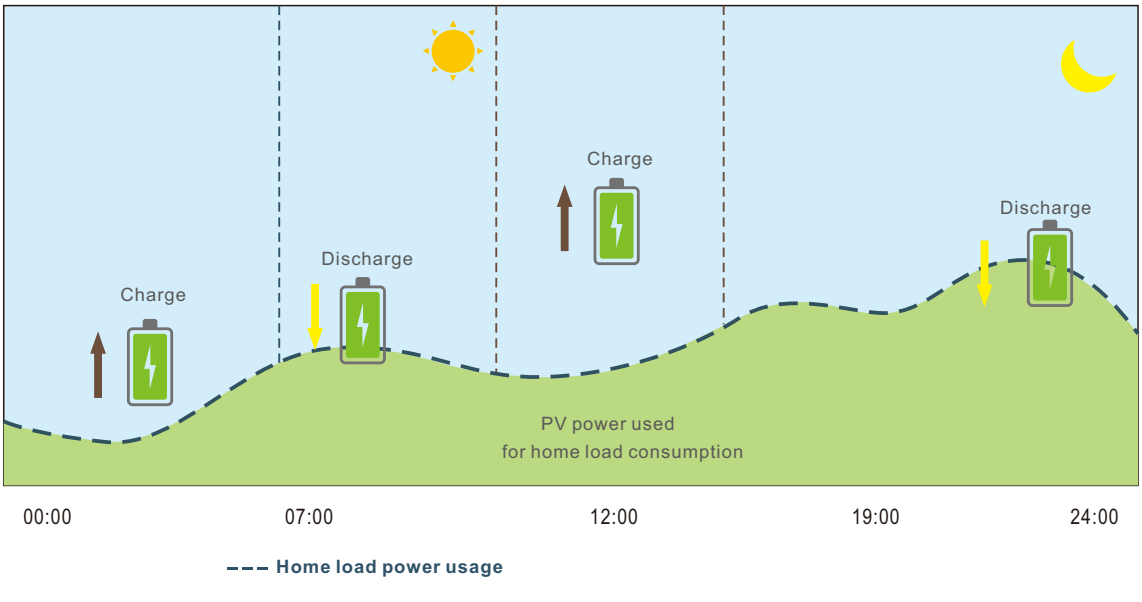
Self Consumption

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



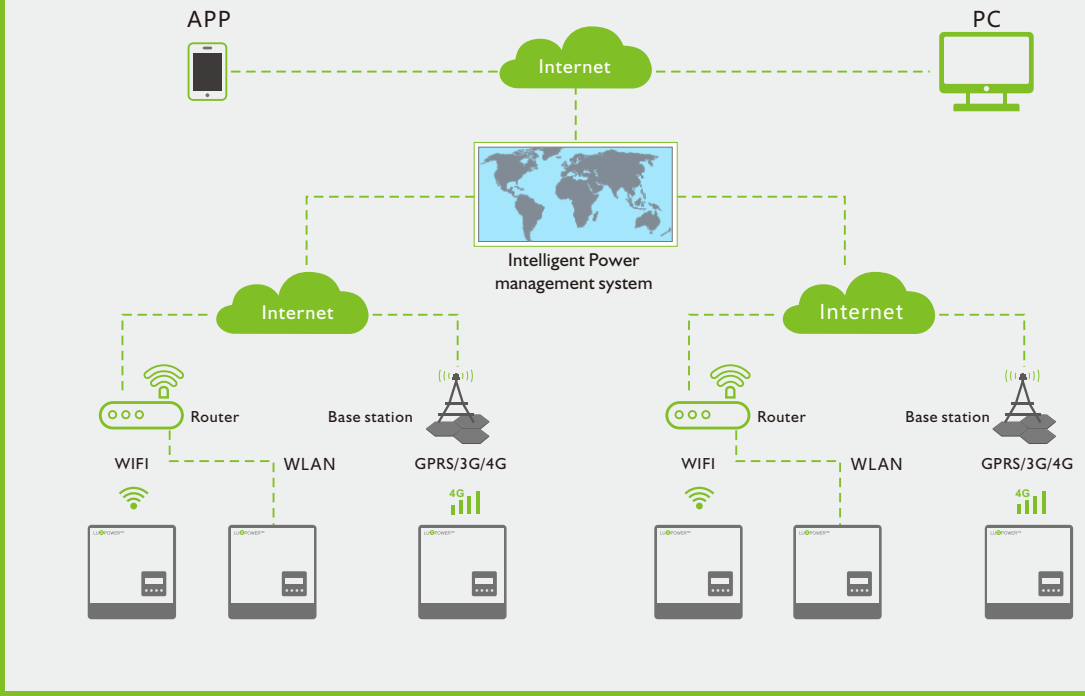
Force Time Use

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.

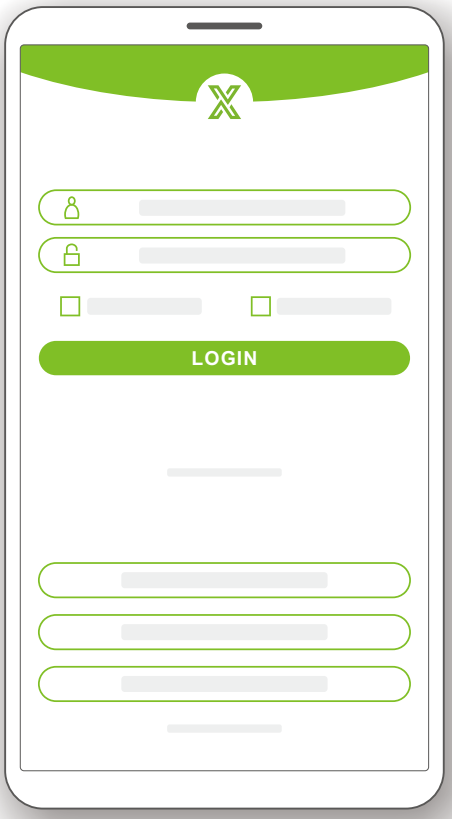


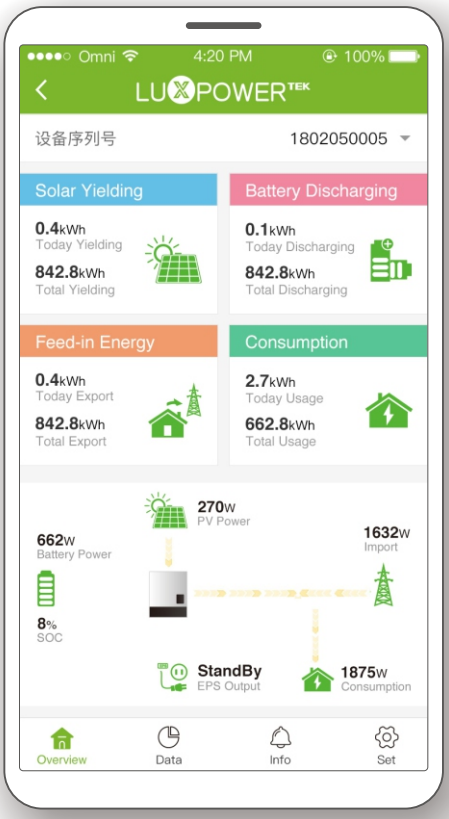
Inteligent Monitor System

Network architecture



LuxPower View





Android APP

IOS APP

Monitoring Features

- Real-time monitoring and Management platform based on smart cloud technology
- Advanced remote upgrade and management function for easy usage, maintenance and services
- Real-time running data stored locally in the inverter for up to 30 days when wifi or LAN monitoring connection disconnected
- One-click WIFI connection and much easier operation on the monitoring and management platform.
- Multi-level system monitoring and management
- Available for Web, iOS and Android system.

Certificate

Certificate of Conformity

Certificate No.: 1708AP0830N034001
Equipment: Hybrid inverter
Brand Name: LUXPOWER
Test Model No.: LXP-3K hybird, LXP-4K hybird, LXP-4.6K hybird, LXP-5K hybird
Applicant: ShenZhen Lux Power technology Co., LTD
Room 403, 4th Floor, Building 63, ZhongwuNew Industrial Park, Zhongwu Community,Hangcheng Street, Baoan District,Shenzhen
Report No.: PVDE170830N034-1

Use in accordance with regulations:
Power generation systems connected to the low-voltage distribution network.
At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Applied rules and standards:
DIN VDE 0126-1-1 (VDE V 0126-1-1):2013-08
Automatic disconnection device between a generator and the public low-voltage grid

Name: Ted Wu
Senior Manager/ PV Inverter Team
Date: 2018-05-10

Certificate of Conformity

Certificate No.: 1708AP0830N034005
Equipment: Hybrid inverter
Brand Name: LUXPOWER
Test Model No.: LXP-4K hybird, LXP-4.6K hybird, LXP-5K hybird
Applicant: ShenZhen Lux Power technology Co., LTD
Room 403, 4th Floor, Building 63, ZhongwuNew Industrial Park, Zhongwu Community,Hangcheng Street, Baoan District,Shenzhen
Report No.: PVUK170830N034-1

Use in accordance with regulations:
Automatic disconnection device with single-phase mains surveillance in accordance with Engineering Recommendation G59/3-3 for photovoltaic systems with a single-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverter. This serves as a replacement for the disconnection device with isolating function that can access the distribution network provider at any time.

Applied rules and standards
Engineering Recommendation G59 Issue 3 Amendment 3-February 2018
Recommendations for the Connection of Generating Plant To The Distribution Systems of Licensed Distribution Network Operators

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Name: Ted Wu
Senior Manager/ PV Inverter Team
Date: 2018-06-01

SAA APPROVALS®

Certificate of Suitability

Addendum

Certificate No.: SAA181121
Date of Issue: 8 May 2018
Class Description: Non-Declared
Product Description: Hybrid Inverter

Additional Models	Description
LXP-4K Hybrid	Input: 550Vdc Max, MPP voltage range 120-500Vdc 2×11A, Isc PV 13.7A Grid: 230V~ 50Hz 20A Max 4000VA Battery: 40-60Vdc, charge/discharge current 66/66A, charge/discharge power 3600W EPS output: 230V~ 50/60Hz 13A 3000VA
LXP-4.6K Hybrid	Input: 550Vdc Max, MPP voltage range 120-500Vdc 2×11A, Isc PV 13.7A Grid: 230V~ 50Hz 25A Max 4600VA Battery: 40-60Vdc, charge/discharge current 66/66A, charge/discharge power 3600W EPS output: 230V~ 50/60Hz 13A 3000VA
LXP-5K Hybrid	Input: 550Vdc Max, MPP voltage range 120-500Vdc 2×11A, Isc PV 13.7A Grid: 230V~ 50Hz 25A Max 5000VA Battery: 40-60Vdc, charge/discharge current 66/66A, charge/discharge power 3600W EPS output: 230V~ 50/60Hz 13A 3000VA

For and on Behalf of
SAA Approvals Pty Ltd

JAS-ANZ

CERTIFIED

Attestation of Conformity

Equipment: Hybrid inverter
Brand Name: LUXPOWER
Test Model No.: LXP-3K hybird, LXP-4K hybird, LXP-4.6K hybird
Applicant: ShenZhen Lux Power technology Co., LTD
Room 403, 4th Floor, Building 63, ZhongwuNew Industrial Park, Zhongwu Community,Hangcheng Street, Baoan District,Shenzhen
Report No.: PVDE170830N034

Use in accordance with regulations:
Power generation systems connected to the low-voltage distribution network.
Technical minimum requirements for the connection to and parallel operation with low-voltage distribution networks.

Applied rules and standards
DIN VDE V 0124-100 (VDE V 0124-100):2012-07 – Grid integration of power generation systems – Low voltage
Test requirements for generation units to be connected and operated parallel with the low voltage distribution networks

VDE-AR-N 4105:2011-08 – Power generation systems connected to the low-voltage distribution network
Technical minimum requirements for the connection to and parallel operation with low-voltage distribution networks

Name: Ted Wu
Senior Manager/ PV Inverter Team
Date: 2018-05-03

Attestation of Conformity

Equipment: Hybrid inverter
Brand Name: LUXPOWER
Test Model No.: LXP-3K hybird
Applicant: ShenZhen Lux Power technology Co., LTD
Room 403, 4th Floor, Building 63, ZhongwuNew Industrial Park, Zhongwu Community,Hangcheng Street, Baoan District,Shenzhen
Report No.: PVUK170830N034-2

Use in accordance with regulations:
Automatic disconnection device with single-phase mains surveillance in accordance with Engineering Recommendation G83/2 for photovoltaic systems with a single-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverter. This serves as a replacement for the disconnection device with isolating function that can access the distribution network provider at any time.

Applied rules and standards
Engineering Recommendation G83/2:2012
Recommendations for the Connection of Type Tested Small-scale Embedded Generators (Up to 16A per Phase) in Parallel with Low-Voltage Distribution Systems

DIN V VDE V 0126-1-1:2006-02 (Functional safety)
Automatic disconnection device between a generator and the public low-voltage grid

Name: Ted Wu
Senior Manager/ PV Inverter Team
Date: 2018-03-29

SAA APPROVALS®

Certificate of Suitability

Certificate No.: SAA181121

Certificate Holder: ShenZhen Lux Power Technology Co., Ltd
Room 403, 4th Floor, Building 63,
Zhongwu New Industrial Park,
Zhongwu Community, Hangcheng Street,
Baoan District,
Shenzhen
P.R. China

Class Description: Non-Declared
Product Description: Hybrid Inverter
Brand Name: LUXPOWERTek
Model No.: LXP-3K Hybrid
Markings: Input: 550Vdc Max, MPP voltage range 120-500Vdc 2x10A, Isc PV 2x12.5A
Grid : 230V~ 50Hz, 15A Max, 3000VA
Battery: 40-60Vdc, charge/discharge current 66/66A, charge/discharge power 3600/3600W
EPS output: 230V~ 50/60Hz 13A 3000VA
Class I, IP65
Standard: IEC 62109-1 Ed. 1.0
IEC 62109-2 Ed. 1.0
AS/NZS 4777.2:2015
IEC 62040-1 Ed. 1.0
Conditions: Nil
Certification Mark: SAA181121 or RCM
Date First Registered: 8 May 2018
Date of Expiry: 8 May 2023

For and on Behalf of
SAA Approvals Pty Ltd

JAS-ANZ

CERTIFIED

Application

“Where sun shined
Power always on”

LUXPOWER TEK

BR2019-V03

www.luxpowertek.com | info@luxpowertek.com