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Ideal solution for retrofitting solar system

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AC COUPLED ESS INVERTER

LXP 3K/5K AC

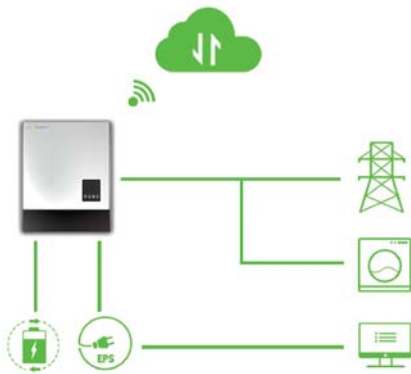
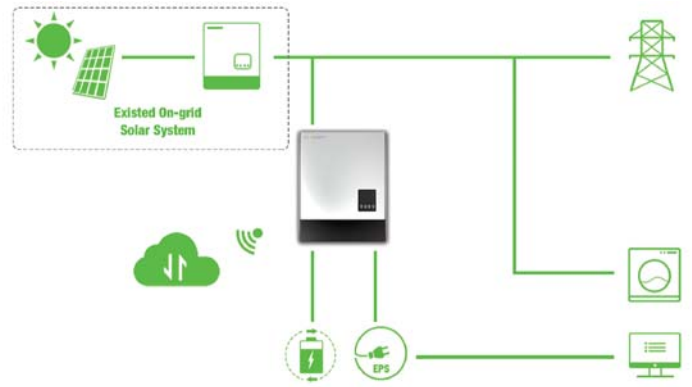
LUXPOWER^{TEK}

Best for Retrofitting Solar

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.

HIGHLIGHTS

- Programable working modes
- Remote upgrading and real time monitoring
- Seamless automatically switching (<0.01s) for grid shortage
- Enhanced EPS/back-up function
- Seamless capable with your existed on-grid solar system
- Smart export control on both AC output and EPS output



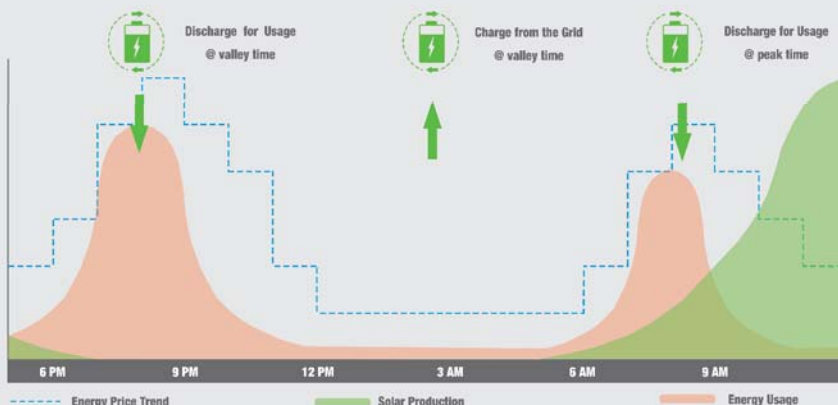
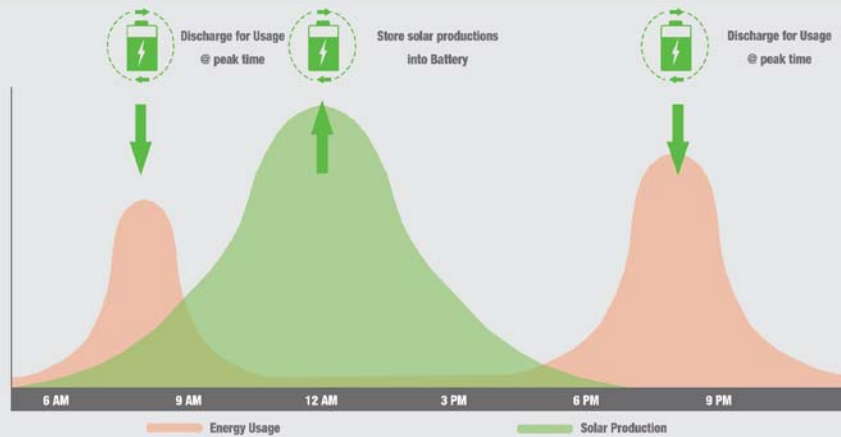
AC Energy Storage System

For some situations, user might not have solar, then you could try install a purely AC coupled energy storage system based on LXP AC series inverter with a battery pack to strengthen your energy system and save money through schedulable energy usage strategy.

HIGHLIGHTS

- Programable working modes
- Remote upgrading and real time monitoring
- Seamless automatically switching (<0.01s) for grid shortage
- Enhanced EPS/back-up function
- Smart export control on both AC output and EPS output

How does LXP AC help to enhance your energy storage system?



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Where sun shined

Power always on
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AC COUPLED ESS

AC coupled energy storage



COMPACT DESIGN

Smaller size, lighter weight



IP65 PROTECTION

Designed for both outdoor and indoor installation



EASY TO USE

Schedulable working modes, easy installation and setting



REMOTE MONITORING

Remote monitoring and upgrade



ENHANCE EPS

Seamless switching within 0.01s with stronger back-up output



OPTIMIZED HEAT CONTROL

Much better heat dissipation, and much lower derating



SAFER OPERATION

Protected connection area, multiple protection devices



LXP 3K/5K AC

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 EPS back-up function and reduce energy bill.

Battery Output

3K AC

5K AC

Compatible Battery Type	Lithium-ion, Lead-Acid etc.	Lithium-ion, Lead-Acid etc.
Nominal Battery Voltage	48V.d.c	48V.d.c
Battery Voltage Range	42 - 60V.d.c	42 - 60V.d.c
Max. Charge/Discharge Current	60A / 60A	60A / 60A
Max. Charge/Discharge Power	3600W / 3600W	5000W / 5000W
Charging Curve	3 stages	3 stages

AC Output

Nominal AC Output Power	3000W	5000W
Max. AC Output Power	3000VA	5000VA
Nominal AC Output Current	13A	22A
Max. AC Output Current	15A	25A
Nominal AC Voltage	230V.a.c	230V.a.c
AC Voltage Range	180 - 270V.a.c	180 - 270V.a.c
Nominal AC Frequency	50Hz / 60Hz	50Hz / 60Hz
AC Frequency Range	45 - 55Hz / 55 - 65Hz	45 - 55Hz / 55 - 65Hz
Power Factor	>0.99 @ rated power	>0.99 @ rated power
THDI	<3%	<3%
Paralleling Operation	Yes	Yes

EPS Output - with Battery

EPS Nominal Output Power	3000W	5000W
EPS Nominal Output Voltage	230V.a.c	230V.a.c
EPS Nominal Output Frequency	50Hz / 60Hz	50Hz / 60Hz
EPS Nominal Output Current	13A	22A
Peak Power	4500W, 30s	7500W, 30s
THDV	<5%	<5%
Switching Time	<0.01s	<0.01s
Paralleling Operation	Wireless paralleling	Wireless paralleling

Efficiency

Max. Efficiency	98%	98%
Max. Charge/Discharge Efficiency	94.5%	94.5%

Protection

Reverse Polarity Protection	Yes	Yes
Over Current/Voltage Protection	Yes	Yes
Anti-islanding Protection	Yes	Yes
AC Short-circuit Protection	Yes	Yes
Leakage Current Protection	Yes	Yes
Ground Fault Monitoring	Yes	Yes
Grid Monitoring	Yes	Yes
Ingress Protection Degree	Ip65 / NEMA4X	Ip65 / NEMA4X

General Data

Dimension (W/H/D)	451 / 250 (332) / 184	451 / 310 (392) / 184
Weight	15 kg	17 kg
Topology	HF	HF
Cooling Concept	Natural Convection	Natural Convection
Relatively Humidity	100%	100%
Altitude	<2000m	<2000m
Noise Emission	<25dB	<25dB
Standby Consumption	<5W	<5W
Display & Communication Interfaces	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