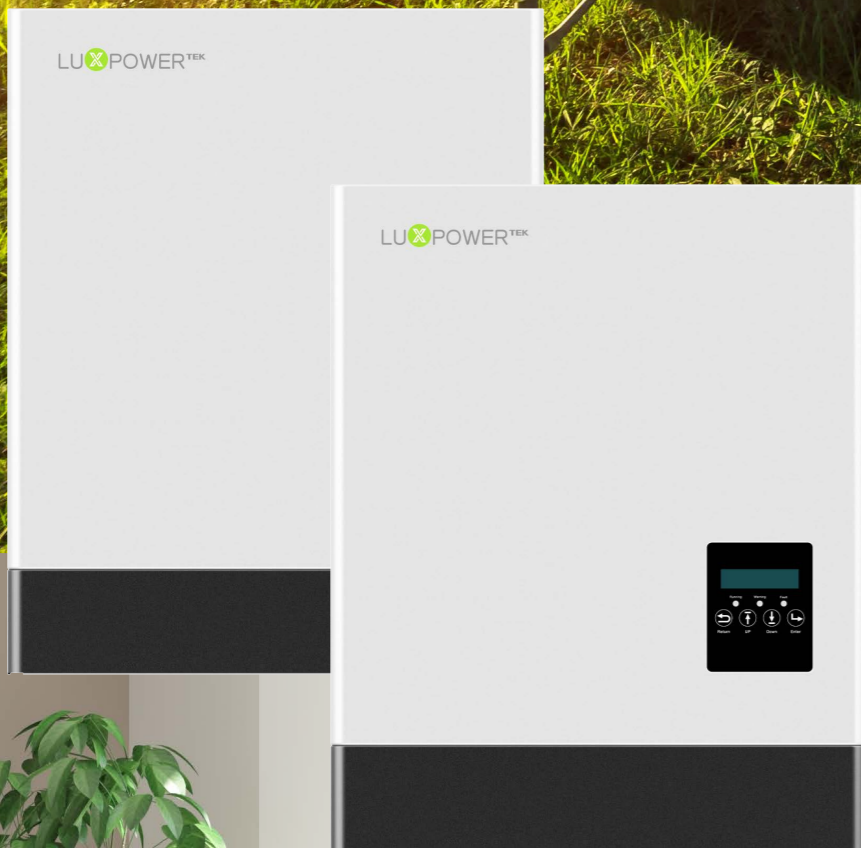


LXP3-6K

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	LXP5K	LXP6K
Max. DC Input Power	8000W	8000W
Nominal DC Input Voltage	360V.d.c	360V.d.c
DC Input Voltage Range	100 - 550V.d.c	100 - 550V.d.c
MPPT Voltage Range	120 - 500V.d.c	120 - 500V.d.c
Start-up Voltage	140V.d.c	140V.d.c
MPPT Number	2	2
Max. DC Input Current	12.5A/12.5A	12.5A/12.5A
Battery		
Compatible Battery Type	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid
Nominal Battery Voltage	48V.d.c	48V.d.c
Battery Voltage Range	40 - 60V.d.c	40 - 60V.d.c
Max. Charge/Discharge Current	80A/80A	80A/80A
Max. Charge/Discharge Power	4000W/4000W	4000W/4000W
Charging Curve	3 stages	3 stages
Max. Charge Voltage	59V	59V
Capacity of Battery	2-20kWh	2-20kWh
Grid		
Nominal AC Output Power	4600W/5000W	6000W
Max. AC Output Power	4600VA/5000VA	6000VA
Max. AC Output Current	25A	26A
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	Adjustable 0.8 overexcited to 0.8 underexcited	Adjustable 0.8 overexcited to 0.8 underexcited
THDI	<3%	<3%
UPS		
UPS Max. Output Power without Solar	4000W	4000W
UPS Max. Output Power with Solar	5000W	6000W
UPS Nominal Output Voltage	230V.a.c	230V.a.c
UPS Nominal Output Frequency	50Hz / 60Hz	50Hz / 60Hz
UPS Nominal Output Current	17.4A	17.4A
Peak Power Without Solar	4500W, 30s	4500W, 30s
THDV	<5%	<5%
Switching Time	Typical 0.01s	<0.01s
Efficiency		
Europe Efficiency	97.5%	97.5%
Max. Efficiency	97.9%	97.9%
Battery 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 Protect Degree	IP65 / NEMA4X	IP65 / NEMA4X
DC Switch	Yes	Yes
General		
Dimensions (W/H/D)	455 / 476 (565) / 181	455 / 476 (565) / 181
Weight	20 kg	20 kg
Topology	Transformerless (solar), HF (Battery)	Transformerless (solar), HF (Battery)
Cooling Concept	Natural Convection	Natural Convection
Relatively Humidity	0-100%	0-100%
Operating Temperature Range	-25 - 60	-25 - 60
Altitude	<2000m	<2000m
Noise Emission	<25dB	<25dB
Standby Consumption	<5W	<5W
Display & Communication Interfaces	LCD, RS485, Wi-Fi, Ethernet	LCD, RS485, Wi-Fi, Ethernet