

# Hybrid Inverter

## LXP3-6k



Your Reliable Energy Solution Partner

- Intelligent working modes
- Stronger EPS
- Easy to use with battery
- Advanced Parallel, up to 60kW
- IP65, indoor & outdoor use
- 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	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	13A/13A	13A/13A	13A/13A	13A/13A
Max. short current per MPPT	14.5A /14.5 A	14.5A /14.5 A	14.5A /14.5 A	14.5A /14.5 A
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	80A/80A	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%
EPS				
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	<4000m	<4000m	<4000m	<4000m
Noise Emission	<25dB	<25dB	<25dB	<25dB
Standby Consumption	<5W	<5W	<5W	<5W
Display & Communication Interfaces	LCD, RS485, Wi-Fi, CAN	LCD, RS485, Wi-Fi, CAN	LCD, RS485, Wi-Fi, CAN	LCD, RS485, Wi-Fi, CAN
Standard & Certification				
AS4777.2(LXP3-5KHybrid-NS), VDE-AR-N4105(3-4.6k), VDE0126, G98, G99, CEI0-16(3-5K), CEI0-21 EN50549(3-5K), NRS097(3-5K), UTE C15-712-1/XPE C15-712-3/VDF, IEC62109-1/2, IEC61000, IEC62040				