

# 5KW LUXPOWER LXP50

LUXPOWER<sup>TEK</sup>



Solar Input	LXP4K HB	LXP5K HB	LXP6K HB
Max. DC Input Power	7000W	8000W	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	120 - 500V.d.c	120 - 500V.d.c	120 - 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	LXP4K HB	LXP5K HB	LXP6K HB
Compatible Battery Type	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid
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	4000W/4000W	5000W/5000W	6000W/6000W
Charging Curve	3-stages	3-stages	3-stages

AC Input/Output	LXP4K HB	LXP5K HB	LXP6K HB
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	180~270Vac	180~270Vac	180~270Vac
Nominal AC Frequency	50Hz/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 Output - with Battery	LXP4K HB	LXP5K HB	LXP6K HB
UPS Nominal Power	4000W	5000W	6000W
UPS Nominal Voltage	230Vac	230Vac	230Vac
UPS Nominal Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
UPS Nominal Current	17.5A	21.7A	26A
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	LXP4K HB	LXP5K HB	LXP6K HB
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	LXP4K HB	LXP5K HB	LXP6K HB
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 / NEMA4X	IP65 / NEMA4X	IP65 / NEMA4X
DC Switch	Integrated	Integrated	Integrated

General Data	LXP4K HB	LXP5K HB	LXP6K HB
Dimensions (W/H/D)	455 / 476(565) / 181	455 / 476(565) / 181	455 / 476(565) / 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%
Operating Temperature Range	-25 - 60 °C	-25 - 60 °C	-25 - 60 °C
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

**Certification & Approvals** CEI 0-21  
IEC62109-1-2, IEC62040, EN61000-6-1, EN61000-6-2, EN61000-6-3

