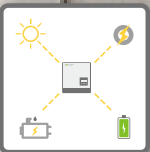
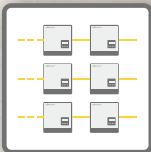


HYBRID US-Model

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



Split Phase Solution



“

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
Full-load 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

	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid	Lithium-ion/Lead-Acid
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

	3000W	4000W	5000W
Nominal AC Output Power	3000W	4000W	5000W
Max. AC Charge Input Power	3600W	3600W	3600W
Max. AC Output Current	15A	20A	25A
Nominal AC Output Current	12.5A	17A	21A
Max. AC Charge Input Current	15A	17A	17A
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

	3600W	3600W	3600W
UPS Max. Output Power without Solar	3600W	3600W	3600W
UPS Max. Output Power with Solar	5000W	5000W	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	4500W, 30s	4500W, 30s	4500W, 30s
THDV	<3%@R-load	<3%@R-load	<3%@R-load
Switching Time	<0.01s	<0.01s	<0.01s

Efficiency

	96.5%	96.5%	96.5%
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

	Yes	Yes	Yes
Reverse Polarity Protection	Yes	Yes	Yes
Over Current/Voltage Protection	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	Yes	Yes	Yes
Arc Detection	External Box	External Box	External Box

General Data

	455 / 476 (565) / 181	455 / 476 (565) / 181	455 / 476 (565) / 181
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 °C	-25 - 60 °C	-25 - 60 °C
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