

# HYBRID SERIES

## Single Phase

# LXP-LB-EU 12k

- Max. 250A charge/discharge current with 48V battery
- Support up to 10pcs in parallel
- AC coupling function
- Smart load control
- Separate generator interface available
- 12kW UPS output
- 3 MPPT inputs, maximum up to 18 kW
- Integrated UPS module, on/off grid seamless
- LCD color touch screen



LUPOWER<sup>TEK</sup>

Your Reliable Energy Solution Partner

## SpecifiCation

INPUT (PV DC)	LXP-LB-EU 12K
Max. PV array power(W)	18000
Reted PV input voltage(V)	360
Number of independent MPPT inputs	3
PV input voltage range(V)	100 600
MPPT voltage range(V)	120 480
Start-up voltage(V)	140
Max. PV input current per MPPT(A)	25/15/15
Max. PV short-circuit current input per MPPT(A)	31/19/19
Battery	
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage(Lithium-ion/Lead-Acid)(V)	48
Battery voltage range(V)	40 60
Max. charging/discharging current(V)	250
Max. charging power(W)	12000
Force wake up battery from PV function(Y/N)	Y
Grid	
Rated AC voltage(V)	230
Rated AC frequency(Hz)	50
Rated AC output current(A)	50
Rated AC output power(W)	11500
Max. AC input current(A)	100
Max. AC input power(W)	23000
PF	0.99
THDI	<3%
Rated AC current of BYPASS relays(A)	200
UPS	
Rated output power(W)	11500
Rated output voltage(V)	230
Rated output current(A)	50
Rated output frequency(Hz)	50/60
Surge power, duration	2Pn, 0.5s
Switching time	20ms
Wave form	Sine wave
THDV	3%
Efficiency	
Max. MPPT efficiency	99.0%
Max. efficiency	99.0%
EU efficiency	97.5%
Max. charging efficiency	96.0%
Max. discharging efficiency	94.0%
Protection	
PV reverse polarity protection	YES
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit current protection	YES
Leakage current protection	YES
Ground fault monitoring	YES
Grid monitoring	YES
DC Switch	YES
AC/DC Surge protection Type III	YES
General	
Dimensions(W*H*D)	490*670*265mm/19.3*26.3*10.4inch
Weight	50kg/110.2lbs
Ingress protection rating	IP65
Relative humidity	0 100%
Operating environment temperature range	-25 60°C
Storage temperature range	-25 60°C
Display & Communication interface	Touch color screen, RS485/Wi-Fi/CAN
Warranty	5 years
Cooling method	FAN
Topology	Transformer-less
Altitude	<2000m
Noise emission(typical)	<50dB
Standards & Certification	
EU Version NRS O97	

