

HYBRID SERIES

Single Phase

LXP-LB-EU 8-10k

- Max. 210A charge/discharge current
- Support up to 10pcs in parallel
- AC coupling function
- Smart load control
- Separate generator interface available
- Easy to use with batteries
- Color touch LCD, IP65



LU POWER TEK

Your Reliable Energy Solution Partner

SpecifiCation

INPUT (PV DC)	LXP-LB-EU 8K	LXP-LB-EU 10K
Max. PV array power(W)	12000	15000
Rated PV input voltage(V)		360
Number of independent MPPT inputs		2
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)		25/25
Max. PV short-circuit current input per MPPT(A)		31/31
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(A)	167	210
Max. charging/discharging power(W)	8000	10000
Force wake up battery from PV function	YES	
Grid		
Rated AC voltage(V)	230	
Rated AC frequency(Hz)	50	
Rated AC output current(A)	34.8	43.5
Rated AC output power(W)	8000	10000
Max. AC input current(A)	70	90
Max. AC input power(W)	16100	20700
PF	0.99	
THDI	<3%	
Rated AC current of BYPASS relays(A)	90	
UPS		
Rated output power(W)	8000	10000
Rated output voltage(V)	230	
Rated output current(A)	34.8	43.5
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*580*265mm/19.3*22.8*10.4inch	
Weight	45kg/99.2lbs	
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/Wifi/CAN	
Warranty	5 years	
Cooling method	FAN	
Topology	Transformer-less	
Altitude	<2000m	
Noise emission(typical)	<50dB	
Standards & Certification		
EU Version NRS 097		

