

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 X POWER TEK

SpecifiCation

Your Reliable
Energy Solution
Partner

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			

