

# HYBRID SERIES

## Single Phase

# LXP-LB-EU 7k/8k/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



Your Reliable Energy Solution Partner

## SpecifiCation

INPUT (PV DC)	LXP-LB-EU 7K	LXP-LB-EU 8K	LXP-LB-EU 10K
Max. PV array power(W)	12000	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	
<b>Battery</b>			
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)	146	167	210
Max. charging/discharging power(W)	7000	8000	10000
Force wake up battery from PV function	YES		
<b>Grid</b>			
Rated AC voltage(V)	230		
Rated AC frequency(Hz)	50/60		
Rated AC output current(A)	32	34.8	43.5
Rated AC output power(W)	7000	8000	10000
Max. AC input current(A)	64	70	90
Max. AC input power(W)	14720	16100	20700
PF	0.99		
THDI	<3%		
Rated AC current of BYPASS relays(A)	90		
<b>UPS</b>			
Rated output power(W)	7000	8000	10000
Rated output voltage(V)	230		
Rated output current(A)	30.5	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%		
<b>Efficiency</b>			
Max. MPPT efficiency	99.0%		
Max. efficiency	99.0%		
EU efficiency	97.5%		
Max. charging efficiency	96.0%		
Max. discharging efficiency	94.0%		
<b>Protection</b>			
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		
<b>General</b>			
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	12 years		
Cooling method	FAN		
Topology	Transformer-less		
Altitude	<2000m		
Noise emission(typical)	<50dB		
<b>Standards &amp; Certification</b>			
EU Version NRS 097			

