

# HYBRID SERIES

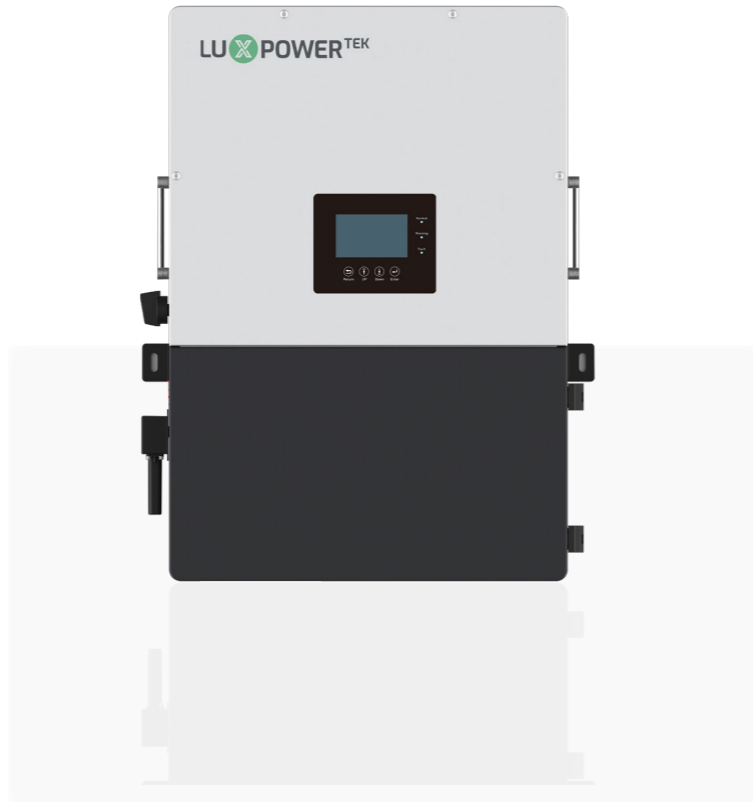
## Split Phase

# LXP-LB-US 8-10k



Your Reliable Energy Solution Partner

- Easy to use with batteries
- AC coupling function
- Peak shaving function
- Breakers (AC, Gen Load and battery) are integrated
- Support up to 10pcs in parallel
- Smart load control
- Separate generator interface available
- Plug & Play, seamless switching under 20ms
- LCD color touch screen



## SpecifiCation

INPUT (PV DC)	LXP-LB-US 8k	LXP-LB-US 10k	
Max. PV array power(W)	12000	16000	
Rated PV input voltage(V)		360	
Number of independent MPPT inputs		2/2	
PV input voltage range(V)		100~600	
MPPT voltage range(V)		120~500	
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(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	
<b>Grid</b>			
Rated AC voltage(V)		240/208	
Rated AC frequency(Hz)		60	
Rated AC output current	33.3A@240V/38.5A@208V	41.6A@240V/48A@208V	
Rated AC output power(W)	8000	10000	
Max. AC input current(A)	63	63	
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)		
THDI	3%		
<b>UPS</b>			
Rated output power(W)		8000 120/240; 120/208 10000	
Rated output voltage(V)			
Rated output current			
Rated output frequency(Hz)	33.3A@240V/38.5A@208V	60	41.6A@240V/48A@208V
Surge power, duration		2Pn, 0.55	
Switching time		20ms	
Wave form		Sine wave	
THDV		<3%	
<b>Efficiency</b>			
Max. MPPT efficiency	99.9%		
Max. efficiency	97.5%		
Battery charging/discharging efficiency	94.0%		
CEC efficiency	96.4%		
<b>Protection</b>			
PV reverse polarity protection	YES		
Over current/voltage protection	YES		
Anti-islanding protection	YES		
AC short-circuit protection	YES		
Leakage current protection	YES		
DC switch	YES		
AC/DC surge protection Type III	YES		
Rapid shut down	YES		
Grid/AFCI/RSD monitoring	YES		
Grid/GEN switch(Current/Voltage)	63A/480VAC		
Load switch(Current/Voltage)	63A/480VAC		
Battery switch(Current/Voltage)	250A/80VDC		
<b>General</b>			
Dimensions(W*H*D)	520*750*285mm/20.5*29.5*11.2inch		
Weight	50kg/110lbs		
Ingress protection rating	IP65/ NAME 4X		
Relative humidity	0~100%		
Operating environment temperature range	-25~60°C, >45°C Derating		
Storage temperature range	-25~60°C		
Display & Communication interface	Touch color screen, RS485/Wi-Fi/CAN		
Warranty	5/10 years		
Cooling method	Smart Cooling		
Topology	Transformer-less		
Altitude	<2000m		
<b>Standards &amp; Certification</b>			
E5000, SA17-18, SA:2018, CSA STD. C22.2 No.107.1 and 330, UL STD.1741, 17415B, UL1998:2018, IEEE STD.1547 and 1547.1, IEEE STD. HECO SRD-IEEE-1547.1, ETL, CETL, America CEC List, NEC. section690.12, CEC, UL9540			

