

HYBRID SERIES

Split Phase

LXP-LB-US 8-10k

- 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

LUPOWERTEK



SpecifiCation

Your Reliable
Energy Solution
Partner

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	
Battery					
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			
Grid					
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%			
UPS					
Rated output power(W)					
Rated output voltage(V)		8000		120/240; 120/208	
Rated output current				10000	
Rated output frequency(Hz)		33.3A@240V/38.5A@208V		60	
Surge power, duration				41.6A@240V/48A@208V	
Switching time				2Pn, 0.55	
Wave form				20ms	
THDV				Sine wave	
Efficiency				<3%	
Max. MPPT efficiency				99.9%	
Max. efficiency				97.5%	
Battery charging/discharging efficiency				94.0%	
CEC efficiency				96.4%	
Protection					
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	
General					
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			
Standards & Certification					
E5000, SA17-18, SA:2018, CSA STD. C22.2 No.107.1 and 330, UL STD.1741, 1741SB, 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					