

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



SpecifiCation

INPUT (PV DC)		LXP-LB-US 8k	LXP-LB-US 10k
Max. PV array power(W)		12000	15000
Rated PV input voltage(V)			360
Number of independent MPPT inputs			2/2
PV input voltage range(V)			100~600
MPPT voltage range(V)			170~500
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)		120/240; 120/208	
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)	66		80
Max. AC input power(W)	16000		20000
PF		99.0%	
THDI		3%	
Rated AC current of BYPASS relays(A)		90	
UPS			
Rated output power(W)	8000		10000
Rated output voltage(V)		120/240; 120/208	
Rated output current	33.3A@240V/38.5A@208V		41.6A@240V/48A@208V
Rated output frequency(Hz)		60	
Surge power, duration		2Pn, 0.5S	
Switching time		20ms	
Wave form		Sine wave	
THDV		<3%	
Efficiency			
Max. MPPT efficiency		99.9%	
Max. efficiency		97.5%	
Battery charging/discharging efficiency		95.0%	
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	
AC switch(Current/Voltage)		63A/480VAC	
UPS 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	
Storage temperature range		-25~60°C	
Display & Communication interface		Touch color screen, RS485/Wi-Fi/CAN	
Warranty		5 years	
Cooling method		Smart Cooling	
Topology		Transformer-less	
Altitude		<2000m	
Noise emission (typical)		<50dB	
Standards & Certification			
UL 1741: 2021, CSA C22.2#1071:2016, CSA C22.2#330:2017, IEEE1547:2018, HECO SRD, IEEE-1547.1:2020, CEC, FCC SDOC, NEC Section 690.12 E5000, SA1718			