HYBRID SERIES

Split-Phase

LXP-LB-US **8-10K**

- 2 MPPTs with 4 strings input, Max. PV input 15kW
- Supports up to 10pcs in parallel for on/off grid
- On/off grid seamless switching
- Peak shaving function
- Separate port for

  -Generator connection

  ▪ Auto generator control

  ▪ Support generator exercise

  ▪ Support generator boost function

  -Or smart load connection and auto control

  -Or AC coupling function
- AFCI protection integrated
- Breakers (Gen, Load and Battery) are integrated





Your Reliable Energy Solution Partner

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/(2:2)	
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. charge/discharge current(A)	167	210
Max. charge/discharge 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 intput current(A)	63	63
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)	
THDI	3%	
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 charge/discharge 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 protecion	YES	
DC switch	YES	
AC/DC surge protection Type III	YES	
Rapid shut down	YES	
Grid/AFCI/RSD monitoring	YES	
Grid/GEN breaker(Current/Voltage)	63A/480V	
Load breaker(Current/Voltage)	63A/480V	
Battery breaker(Current/Voltage)	250A/80V	
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(°C)	-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, 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, cETLus, America CEC List, NEC. section690.12		