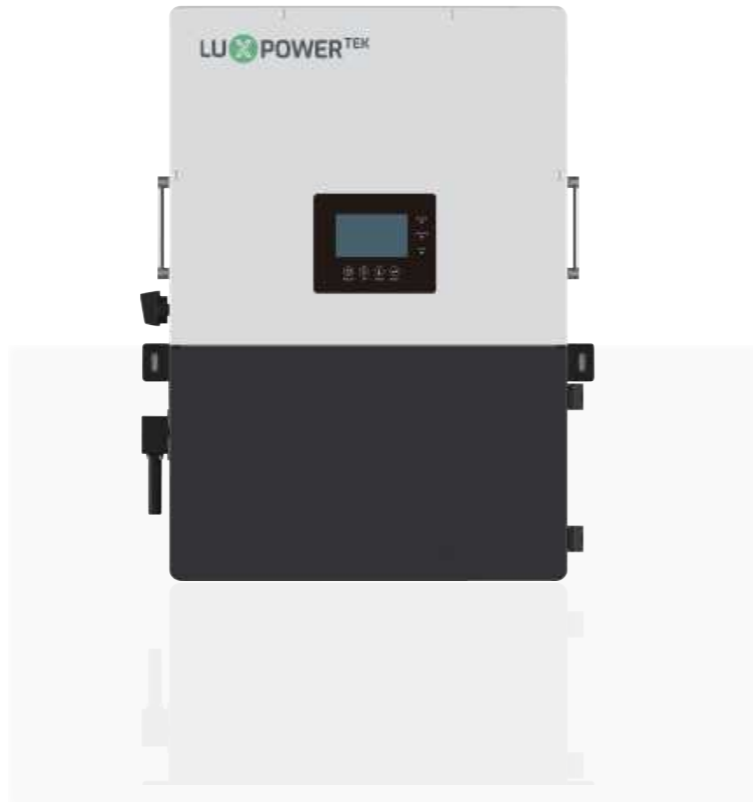# HYBRID SERIES

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 10ms**
- **LCD color touch screen**

LU X POWER TEK

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 intput current(A)	66	80
Max. AC intput 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/discharing 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 protecion	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	IP 65/ 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	FAN	
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		