

# HYBRID SERIES

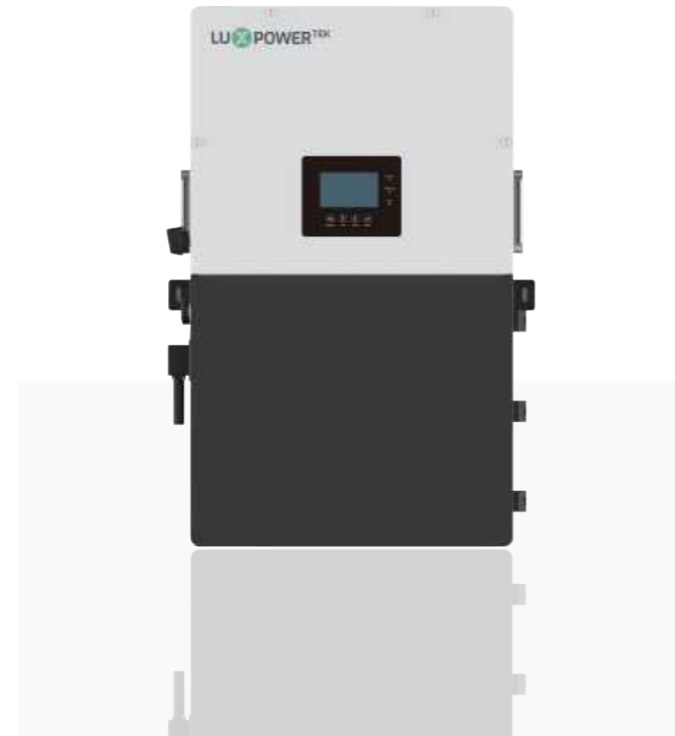
## Split Phase

# LXP-LB-US 12k



Your Reliable Energy Solution Partner

- AC-coupling function
- Peak shaving function
- Smart load control
- Paralleling up to 6 units
- 12kW UPS output single phase
- LCD color touch screen
- 3 MPPT inputs, maximum up to 18 kW
- 200A AC bypass current
- Separate generator interface available
- Loads & Battery breakers are integrated
- Integrated UPS module, on/off grid seamless switching under 20ms



**NOTE**

Equipment Protection Level: IP65

## SpecifiCation

INPUT (PV DC)		LXP-LB-US 12K
Max. PV array power		18000W
DC input voltage range		100V~600V
Rated DC input voltage		360V
MPPT voltage range		230V~500V
Min. input voltage/initial input voltage		100V/140V
Max. DC input current		A:25A/B:15A/C:15A
Number of MPPT(strings per MPPT)		3(A:2/B:1/C:1)
Max. DC short-circuit current input per MPPT		A:31A/B:19A/C:19A
Battery		
Compatible battery type		Lithium-ion/Lead-Acid
Rated battery voltage		48V
Battery voltage range		40V~60V
Max. continuous charging/discharging current		250A/250A
Max. continuous charging/discharging power		12000W
Grid		
Rated AC output power(@208V, 50Hz/60Hz/240V, 50Hz/60Hz)		10400W/12000W
Rated AC voltage		208V/240V Split phase
AC voltage range		180V~270V
Max. continuous AC current(240V/208V)		50A
Rated grid frequency		50Hz/60Hz(Auto adapting)
UPS		
UPS Max. output power without PV		12000W@240V
UPS rated output voltage		208V/240V Split phase
UPS rated output frequency		50Hz/60Hz
UPS rated output current(240V / 208V)		50A
THDV(@Linear load)		< 3%
Peak power without PV, Duration		24000W, 0.5s
Switching time		< 20ms
Efficiency		
MPPT efficiency		99.9%
Max. efficiency		97.5%
EU efficiency		96.5%
Battery charging efficiency		95.0%
Battery discharging efficiency		94.5%
CEC efficiency		96.9%
Protection		
PV reverse polarity protection		YES
Anti-islanding protection		YES
AC Short-circuit current protection		YES
Leakage current protection		YES
Grid monitoring		YES
DC switch		YES
Enclosure Rating		IP65/NEMA 4X
Surge protection device(SPD)protection		YES
Arc Fault Circuit Interrupter(AFCI)(US only)		YES
Rapid shutdown(RSD)(US only)		YES
Load breaker		YES
RSD(rapid shut down)		YES
General		
Dimensions(W*H*D)		34.2*20.5*11.2inch/870*520*285mm
Weight		121.2lbs/55kg
Display & communication interfaces		Color LCD/Touch Screen, RS485/Wi-Fi/CAN
Topology		Transformerless
Operating temperature range		-25°C~60°C
Cooling		FAN

**Standard & 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

