

HYBRID SERIES

Split Phase

LXP-LB-US 8-10k



Your Reliable
Energy Solution
Partner

- Stronger EPS
- Easy to use with batteries
- Advanced parallel, up to 60kW
- AC coupling function
- Smart load control
- Separate generator interface available
- Plug & Play, seamless switching under 10ms
- LCD color touch screen



SpecifiCation

INPUT (PV DC)	LXP-LB-US 8k	LXP-LB-US 10k
Max. PV Input Power	12000W	15000W
DC Input Voltage Range	100V~600V	100V~600V
Nominal DC Input Voltage	360V	360V
Full Power MPPT Voltage Range	170V~500V	210V~500V
Max. DC Input Current	25A/25A	25A/25A
MPPT Number/(Strings Per MPPT)	2/2	2/2
Battery		
Compatible Battery Type	Lead-acid/Lithium	Lead-acid/Lithium
Nominal Battery Voltage	48V	48V
Battery Voltage Range	40V~60V	40V~60V
Maximun Charging/Discharging Current	167A/167A	210A/210A
Maximun Charging/Discharging Power	8000W	10000W
Grid		
Nominal Power	8000W	10000W
Nominal AC Voltage (EU Verion)	208V/240V	208V/240V
Operating Voltage Range	180V~270V	180V~270V
Max. Continuous AC Current	38.5A	48A
Nominal AC Frequency	50Hz/60Hz	50Hz/60Hz
EPS		
UPS Max. Output Power	8000W	10000W
UPS Nominal Output Voltage	208V/240V	208V/240V
UPS Nominal Output Frequency	50Hz/60Hz	50Hz/60Hz
UPS Nominal Output Current	35A	43.5A
THDV	<3%	<3%
Peak Power	2*Pn.0.5s	2*Pn.0.5s
Switching Time	<10ms	<10ms
Efficiency		
MPPT Efficiency	99.9%	99.9%
Max. Efficiency	97.5%	97.5%
EU Efficiency	96.5%	96.5%
Battery Charging Efficiency	95%	95%
Battery Discharging Efficiency	94.5%	94.5%
Protection		
Reverse Polarity Protection	YES	YES
Anti-islanding Protection	YES	YES
AC Short-circuit Protection	YES	YES
Leakage Current Protection	YES	YES
Grid Monitoring	YES	YES
DC Switch	YES	YES
Ingress Protect Degree	IP65	IP65
SPD Protection	YES	YES
General Data		
Dimension(mm)	580*490*265	580*490*265
Weight	44kg	44kg
Display	Color LCD	Color LCD
Topology	Transrormer-less	Transrormer-less
Ambient Temperature Range	-25~60°C	-25~60°C
Cooling	FAN	FAN
Communication	RS485/Wi-Fi/CAN	RS485/Wi-Fi/CAN
General Data		

US Verson UL 1741: 2021.CA C22.2+1071:2016.CSA C222+330:2017 EEE1547:2018, E1547.1:2020 HECO SRD.EEE-15471:2020 CEC



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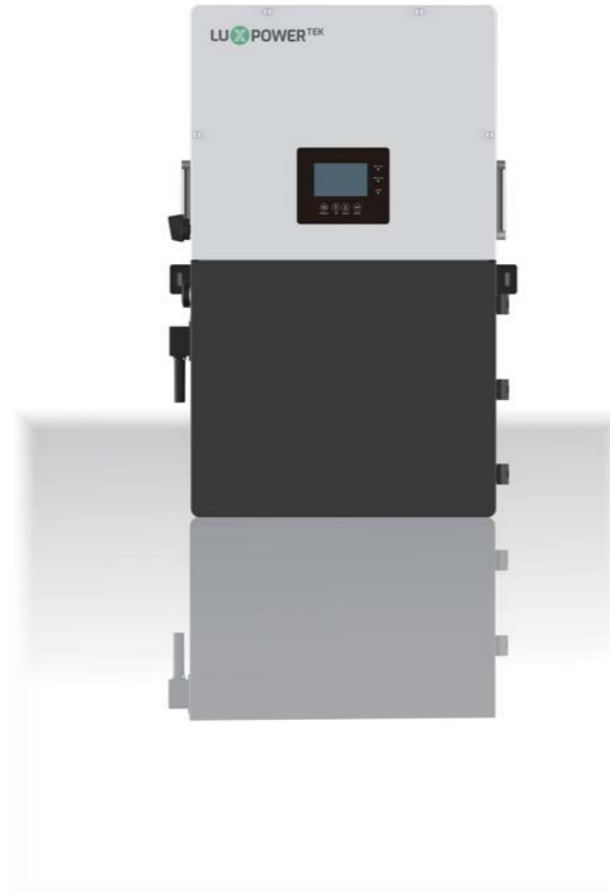
Split Phase

LXP-LB-US 12k

- 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 input, maximum up to 18 kW
- 200A AC bypass currently
- 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

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INPUT (PV DC)	LXP-LB-US 12k
Max. PV array power	18000W
DC input voltage range	100 to 600V
Rated DC input voltage	360V
MPP voltage range	230 to 500V
Min. input voltage / initial input voltage	100V / 140V
Max. DC input current	A : 25A / B : 15A / C : 15A
Number of independent MPP inputs	3 (A : 2 / B : 1 / C : 1)
Max. DC short-circuit current input per MPPT	A : 34A / B : 17A / C : 17A
Battery	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery Voltage	48V
Battery voltage range	40 to 60V
Max. charging / discharging current	250A / 250A
Max. 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	180 to 270V
Max.Continuous AC Current (240V / 208V)	50A
Rated grid frequency	50Hz / 60Hz (Auto adapting)
UPS	
UPS Max. Output Power without PV	12000W
UPS rated output voltage	208V / 240V Split phase
UPS rated output frequency	50Hz / 60Hz
UPS rated output current (240V / 208V)	50A / 57.7A
THDv	< 3%
Peak power without PV , Duration	24000W , 500ms
Switching time	< 20ms
Efficiency	
MPPT Efficiency	99.90%
Max. Efficiency	97.50%
EU Efficiency	96.50%
Battery Charging Efficiency	95%
Battery Discharging Efficiency	94.50%
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
Ingress protection rating	IP65 / NEMA4X
Surge protection device (SPD) protection	YES
Arc Fault Circuit In terrupter(AFCI) (US only)	YES
Rapid shutdown (RSD) (US only)	YES
General	
Dimension (W / H / D) (mm)	790 / 520 / 285
Weight	55kg
Display & communication inteface	Color LCD , RS485 , Wi-Fi , CAN
Topology	Transformerless
Operating environment temperature range(C)	-25 to 60 C
Cooling method	FAN
Standards	

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