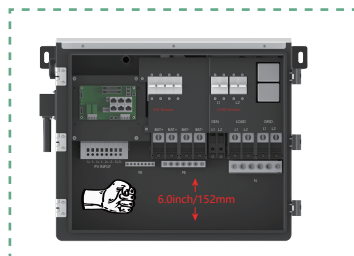




HYBRID SERIES

Split Phase

LXP-LB-US 12k



Installer friendly



Support up to 6pcs in parallel



Ac coupling



200A passthrough



Breakers(Load and battery) are integrated



Separate generator port available



Monitoring APP/WEB

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	-13°F~-140°F / -25°C~60°C
Cooling	FAN

Standards & Certifications	
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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