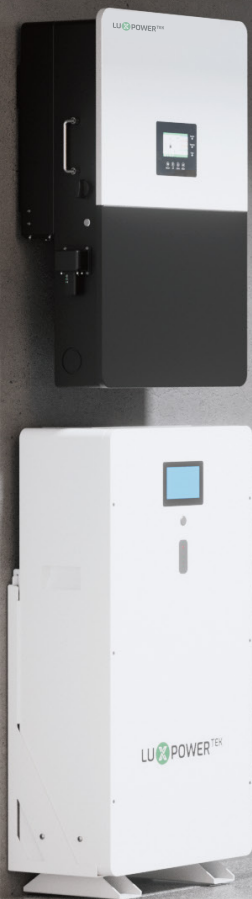


HYBRID SERIES

LXP-LB-US 12K

- 3 MPPTs with 4 strings input, Max. 18kW PV input
- 200A grid passthrough for whole home backup
- Supports up to 10pcs in parallel for on/off grid
- On/off grid seamless switching
- Peak shaving function
- AFCI protection integrated
- 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



Model	LXP-LB-US 12K		LXP-LB-US Pro 10K
Input (PV DC)			
Max. PV input power (W)	18000		
Rated PV input voltage (V)	360		
Number of independent MPPT inputs	3 / (2:1:1)		
Max. PV input voltage (V)	600		
MPPT voltage range (V)	120 ~ 500		
Start-up voltage (V)	140		
Max. PV input current per MPPT (A)	25 / 15 / 15		
Max. PV short-circuit current input per MPPT (A)	31 / 19 / 19		
Battery			
Compatible battery type	Lithium-ion / Lead-Acid		
Rated battery voltage (V)	48		
Battery voltage range (V)	40 ~ 60		
Max. charging / discharging current (A)	250	208	
Max. charging / discharging power (W)	12000	10000	
Force wake up battery from PV function	YES		
Grid			
Rated AC voltage (V)	120 / 240; 120 / 208		
Rated AC frequency (Hz)	50 / 60		
Rated AC output current (A)	50	41.7	
Rated AC output power (W)	12000	10000	
Max. AC input curren (A)	200		
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)		
THDI	< 3%		
Max. continuous AC passthrough current (A)	200		
GEN			
Rated GEN voltage (V)	120 / 240; 120 / 208		
Rated GEN frequency (Hz)	50 / 60		
Rated GEN input current (A)	62.5		
Rated GEN input power (W)	15000		
UPS			
Rated output power (W)	12000	10000	
Rated output voltage (V)	120 / 240; 120 / 208		
Rated output current (A)	50	41.7	
Rated output frequency (Hz)	50 / 60	50 / 60	
Surge power, duration	2 × rated power for 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	96.9%		
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		
Rapid shut down	YES		
Grid/AFCI/RSD monitoring	YES		
Load breaker (Current)	200A		
Battery breaker (Current/Voltage)	2*200A/80V		
General			
Dimensions (W × H × D)	520 × 870 × 285 mm / 20.5 × 34.2 × 11.2 in		
Weight	55 kg / 121.2 lbs		
Ingress protection rating	IP65 / NEMA 4X	NEMA 4X	
Relative humidity	0 ~ 100%		
Operating environment temperature range (°C)	-25 ~ 60°C, > 45°C Derating		
Storage temperature range (°C)	-25 ~ 60		
Display & Communication interface	Touch color screen, RS485 / Wi-Fi / CAN		
Warranty	5 / 10 years		
Cooling method	Smart Cooling		
Topology	Transformerless		
Max. Operating Altitude (m)	2000		
Standards & Certification			