

HYBRID SERIES

LXP-LB-US 5-10K

- 2 MPPTs with 4 strings input, Max. PV input 15kW
- Supports up to 10pcs in parallel for on/off grid
- On/off grid seamless switching
- Peak shaving function
- AFCI protection integrated
- Breakers (Grid, Gen, Load and Battery) are 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 5K		LXP-LB-US 8K		LXP-LB-US 10K	
Input(PV DC)						
Max. PV input power (W)	8000		12000		15000	
Rated PV input voltage (V)	360					
Number of independent MPPT inputs	2/(2:2)					
PV input voltage range (V)	100~600					
MPPT voltage range (V)	120~500					
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)	115	167		210		
Max. charging/discharging power (W)	5000	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	20.8A@240V/24A@208V	33.3A@240V/38.5A@208V		41.6A@240V/48A@208V		
Rated AC output power (W)	5000	8000		10000		
Max. AC input current (A)	40	63		63		
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)					
THDI	3%					
UPS						
Rated output power (W)	5000	8000		10000		
Rated output voltage (V)	120/240; 120/208					
Rated output current (A)	20.8A@240V/24A@208V	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%					
GEN						
Rated GEN voltage (V)	120/240; 120/208					
Rated GEN frequency (Hz)	60					
Rated GEN input current (A)	41.7	62.5				
Rated GEN input power (W)	10000	15000				
Efficiency						
Max. MPPT efficiency	99.9%					
Max. efficiency	97.5%					
Battery charge/discharge efficiency	94.0%					
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 protection	YES					
DC switch	YES					
AC/DC surge protection	YES					
Rapid shut down	YES					
Grid/AFCI/RSD monitoring	YES					
Grid/GEN breaker (Current/Voltage)	63A/480V					
Load breaker (Current/Voltage)	63A/480V					
Battery breaker (Current/Voltage)	250A/80V					
General						
Dimensions (W*H*D)	520*750*285mm / 20.5*29.5*11.2 in					
Weight	50kg / 110lbs					
Ingress protection rating	IP65/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	Transformer-less					
Altitude	<2000m					
Standards & Certification						