LUXPOWERTEK

HYBRID INVERTER LXP-LB-EU 12KW



- 3 MPPTs, Max. 18kW of PV input
- 12kW UPS output for backup during power cuts
- Supports up to 10pcs in parallel for on/off grid
- Octopus smart time of use, weather optimize
- On/off grid seamless switching under 20ms
- Separate GEN port
- Smart load prioritizes necessities
- Up to 20.7kW Gen/AC coupling input

INPUT (PV DC)	LXP-LB-EU 12K
Max. PV array power(W)	18000
Rated PV input voltage(V)	360
Number of independent MPPT inputs	3
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)	25/15/15
Max. PV short-circuit current input per MPPT(A)	31/19/19
Battery	
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage(Lithium-ion/Lead-Acid)(V)	48
Battery voltage range(V)	40~60
Max. charging/discharging current(A)	250
Max. charging power(W)	12000
Force wake up battery from PV function(Y/N)	Y
Grid	
Rated AC voltage(V)	230
Rated AC frequency(Hz)	50/60
Rated AC output current(A)	50
Rated AC output power(W)	11500
Max. AC intput current(A)	200
PF	0.99 (Adjustable from 0.8 leading to0.8 lagging)
THDI	<3%
Rated AC current of BYPASS relays(A)	200
UPS	
Rated output power(W)	11500
Rated output voltage(V)	230
Rated output current(A)	50
Rated output frequency(Hz)	50/60
Surge power, duration	2Pn, 0.5s
Switching time	20ms
Wave form	Sine wave
THDV	3%
Efficiency	
Max. MPPT efficiency	99.0%
Max. efficiency	99.0%
Max. charging efficiency	96.0%
Max. discharging efficiency	94.0%
Protection	
PV reverse polarity protection	YES
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit current protection	YES
Leakage current protection	YES
Ground fault monitoring	YES
Grid monitoring	YES
DC Switch	YES
AC/DC Surge protection Type III	YES
General	
Dimensions(W*H*D)	490*670*265mm/19.3*26.3*10.4inch
Weight	50kg/110.2lbs
Ingress protection rating	IP65
Relative humidity	0~100%
Operating environment temperature range	-25~60℃
Storage temperature range	-25~60℃
Display & Communication interface	Touch color screen, RS485/Wi-Fi/CAN
Warranty	5 years
Cooling method	Smart Cooling
Topology	Transformer-less
Altitude	<2000m
Noise emission(typical)	<50dB
Standards & Certification	
EMC SANS 211:2010/CISPR 2015+A1:2016, IEC 61000-2-2-2012+A1:2017+A2:2018, Cape Town list, G99, G100, NRS 097-2-1:2017	