

Hybrid Inverter

LXP-HB-US 12kW LXP-HB-EU 12kW



Your Reliable Energy Solution Partner

- High battery voltage
- 12kW EPS Output
- 10 units Paralleling
- AC Coupling Function
- 3 MPPT Input for max solar input 18kW
- Separated Generator Input
- 200A AC Passthrough Current/100A Generator
- Passthrough current
- PV Module Monitoring
- Peak Shaving Function
- Color LCD, Touch Screen



Specification

Battery Parameters

Compatible Battery Type	Lead-acid/Lithium
Nominal Battery Voltage	380V
Battery Voltage Range	250-480V
Maximum Charging/Discharging Current	42A/42A
Maximum Charging/Discharging Power	12000W
Max. Charging Voltage	480V

LXP-HB 12K

Input DC(PV Side)

Max. DC Input Power for Single MPPT	12000W/7000W/7000W
Max. PV Input Power	18000W
DC Input Voltage Range	100V-600V
Nominal DC Input Voltage	360V
MPPT Operating Voltage Range	120-500V
Full Power MPPT Voltage Range	230-500V
FS start-up Voltage(Ongrid)	140V
Max. DC Input Current	25A/15A/15A
MPPT Number/(Strings per MPPT)	3(2/1/1)

Output/Inout AC(Grid)

Nominal Power	12000W
Nominal AC Voltage	240V 208V
Operating Voltage Range	180V-270V
Max. Continuous AC Current	50A@240V 50A@208V
Nominal AC Frequency	50Hz/60Hz
THDI	<3%
Power Factor	-0.8~+0.8 adjustable

UPS Output-with Battery

UPS Max. Output Power	12000W 240V 208V
UPS Nominal Output Voltage	120V/240V 120V/208V
UPS Nominal Output Frequency	50Hz/60Hz
UPS Nominal Output Current	50A@240V 57.7A@208V
Peak Power	1.1xPn,5min / 1.25xPn,1min / 1.5xPn,1s / 2xPn,0.1s
THDV	<3%
Switching Time	<20ms

Efficiency

MPPT Efficiency	99.9%
Max. Efficiency	97.5%
EU Efficiency	96.5%
Battery Charging Efficiency	96%
Battery Discharging Efficiency	95%

Protection

Reverse Polarity Protection	YES
Anti-islanding Protection	YES
AC Short-circuit Protection	YES
Leakage Current Protection	YES
Grid Monitoring	YES
DC Switch	YES
Ingress Protect Degree	IP65
SPD Protection	YES
AFCI	OPT
RSD	OPT

General Data

Dimension(mm)	670*490*265
Weight	42kg
Display	Color LCD
Topology	Transformer-less
Ambient Temperature Range	-25-60°C
Standby losses	<15W
Cooling	FAN
Communication	RS485/Wi-Fi/CAN

Standard & Certification

EMC	IEEE1547 FCC SDOC
Safety Standard	UL 1741
Grid Standards	IEEE1547

