

WHOLE HOME SOLAR STORAGE BATTERY INVERTER

LXP-LB 12K TRUE BACKUP POWER



- **ALL-IN-ONE SOLUTION (PV, GENERATOR, ON/OFF GRID)**
- **WHOLE HOME BACKUP WITH 200A AC PASSTHROUGH**
- **MAX. 18KW PV POWER DELIVERED TO BATTERY & AC OUTPUTS**
- **12 KW (50A @240V) BACKUP POWER**
- **BUILT-IN MODULE LEVEL RAPID SHUT-DOWN TRANSMITTER**
- **FAST INSTALL AND COMMISSIONING**

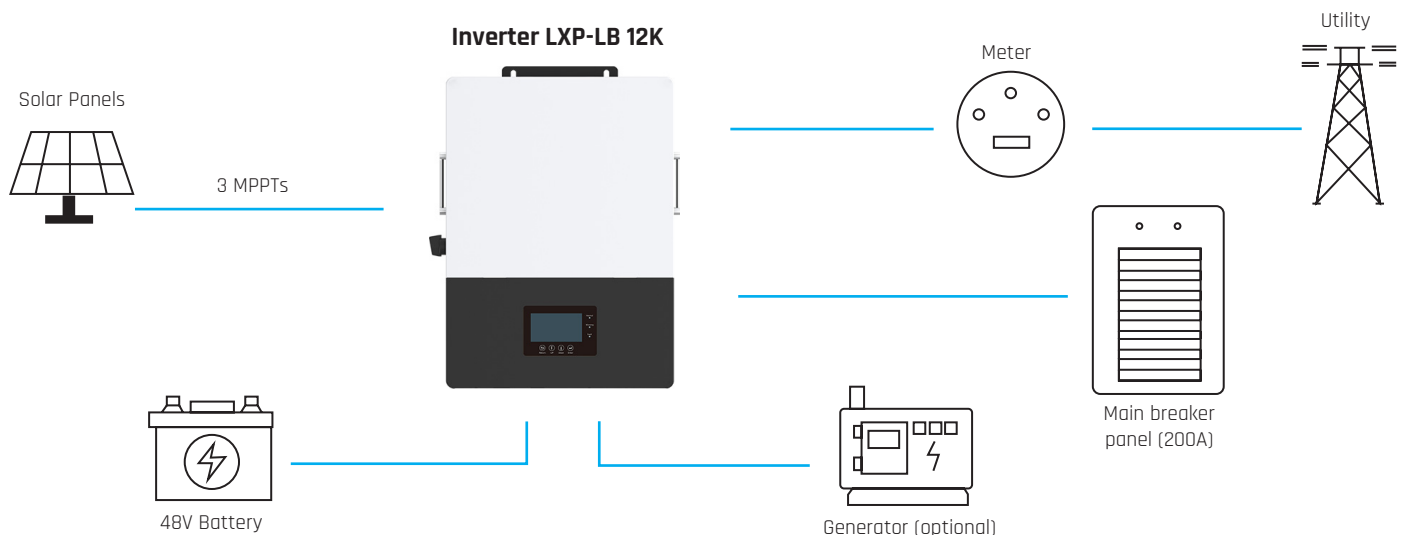
KEY FEATURES:

- 200A AC passthrough current for whole home backup
- 3 MPPT output for max. 21 kW PV array
- AC/DC coupling
- IP65 rated for Indoor & Outdoor Installation
- Built-in Generator Input
- 10 units in parallel
- Online monitoring/app
- Color LCD touch screen

SUPPORTED APPLICATIONS:

- ✓ **BACKUP**
- ✓ **OFF-GRID**
- ✓ **ZERO EXPORT**
- ✓ **TIME-OF-USE**
- ✓ **PEAK SHAVING**
- ✓ **VIRTUAL POWER PLANT**

Whole Home Backup One Line Diagram



LXP-LB 12K

Input DC (PV Side)

Max. DC Input Power for Single MPPT	12000W/7000W/7000W 12kW x 1, 7kW x 2
Max. PV Input Power	21000W
Max. PV Power Delivered to Battery & AC Outputs	18000W
DC Input Voltage Range	100V-600V
Nominal DC Input Voltage	360V
Full Power MPPT Voltage Range	230V-500V
Max. DC Input Current	25A/15A/15A
MPPT Number/(Strings per MPPT)	3(2/1/1)

Output/Inout AC (Grid)

Conitnuous AC Power to Grid	12000W (240V)
Continuous AC Power to Load with Grid or Generator	48000W (240V)
Nominal Output Voltage	120V/240V
Max. Continuous AC Current	50A @ 240V
Nominal AC Frequency	50Hz/60Hz

Output AC (Off-Grid)

Max. Output Power	12000W (240V)
Nominal Output Voltage	120V/240V
Nominal Output Frequency	50Hz/60hZ
Nominal Output Current	50A @ 240V
Peak Power	14kW 10 minutes / 16kW 5 minutes / 20kW 500ms
Switching Time	<10ms

Battery Parameters

Compatible Battery Type	Lithium or lead acid
Nominal Battery Voltage	48V
Battery Voltage Range	48V-58V
Maximum Charging/Discharging Current	250A
Maximum Charging/Discharging Power	12000W

Efficiency

MPPT Efficiency	99.9%
Max. Efficiency	97.5%
CEC Efficiency	96.5%

Protection

Anti-islanding Protection	YES
DC Switch	YES
Ingress Protect Degree	IP65
SPD Protection	YES
AFCI	OPT
RSD	OPT

General Data

Dimensions	670 x 490 x 265 mm (26.4 x 19.3 x 10.4 in)
Weight	42kg (92.6lbs)
Display	Color LCD
Ambient Temperature Range	-20 - 60 C (-4 - 140 °F)
Cooling	FAN
Communication	RS485/Wi-Fi/CAN

Standard & Certification

Certifications	UL1741, UL1741 SA, IEEE1547A, rule 21, ISO-NE, FCC15 class B, HECO, CEC, Luma (pending)
Warranty	5 Years (Optional 10 Years)