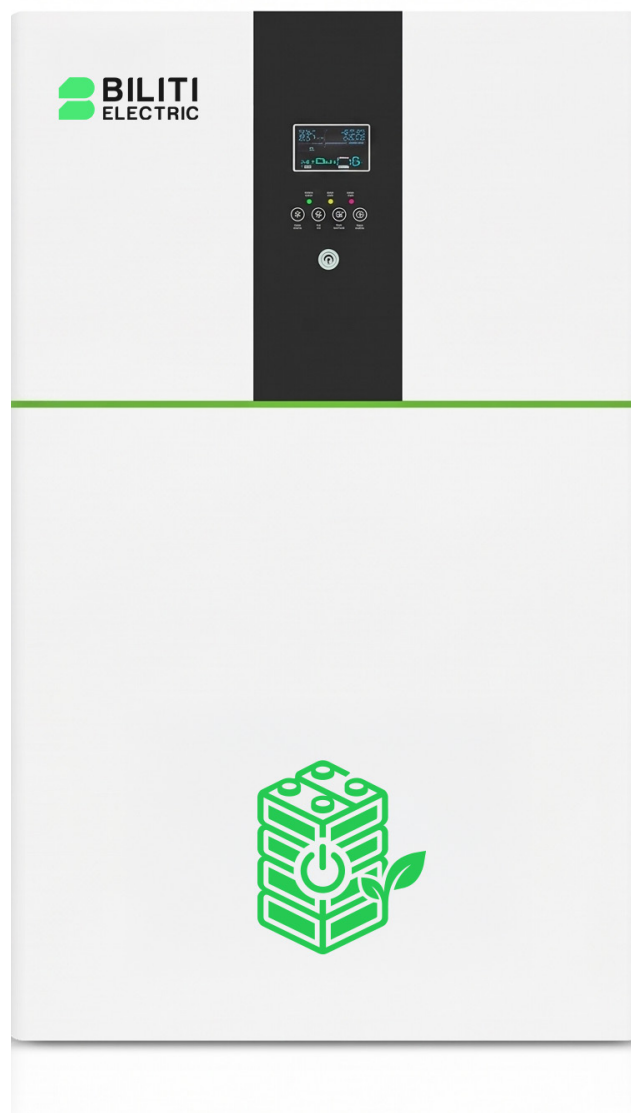


LES PRO-T 5X

Solar Inverter with Lithium Battery

The BILITI 5KW Solar Inverter with Lithium Battery is a state-of-the-art, all-in-one energy solution. It seamlessly combines a high-efficiency MPPT solar controller, a pure sine wave DC-to-AC inverter, and a robust LiFePO4 lithium battery storage system into a single, compact cabinet. Designed for simplicity and sophistication, this system eliminates the need for multiple separate components, saving space and reducing installation complexity while creating an efficient energy ecosystem for your home or business.



Revolutionize Your Energy Independence

Key Features

- **All-in-One Integration:** Incorporates an MPPT controller, solar inverter, and lithium battery, drastically reducing installation time and saving valuable space.
- **High Efficiency & Stability:** Features a 5KW high-frequency pure sine wave solar inverter delivering a peak conversion efficiency of 94%.
- **Flexible Energy Storage:** The built-in 51.2V 100Ah LiFePO4 battery securely stores surplus energy for use at night or during cloudy days. It also supports capacity expansion through parallel battery connections.
- **Versatile Charging:** Supports three distinct charging methods to ensure uninterrupted power: Solar charging, utility grid charging, and diesel/gasoline generator charging.
- **Smart Monitoring:** Stay connected with remote monitoring via RS485, USB, RS232, and optional Wi-Fi or GPRS Mobile Apps.
- **Customizable:** We offer OEM customization for appearance, color, logos, and system parameters to meet your specific project needs.
- **Ideal Applications**
Sectors: Highly adaptable for residential, commercial, and industrial environments.
- **Load Compatibility:** The pure sine wave output safely powers any inductive or resistive loads worry-free as long as the total load power does not exceed the 5KW threshold..



Fast Installation



Long Life



Save Electricity Bill



Portable Energy Source



MODULE SPECIFICATION*

Model	LES PRO-T 5X
Power	
Rated Power	5000W
Single/Parallel	Single
Battery	
Standard Battery Voltage	48VDC
Battery Type	LiFePO4 battery
Battery Capacity	51.2VDC 100AH (Can parallel batteries, standard rack mount, 19inch/3U)
Max Charge/Discharge Current	100A
Charge/Discharge Cut-Off Voltage	44.8VDC/58.4VDC
AC Input	
AC Input Voltage	220VAC/230VAC/240VAC
AC Input Frequency	43Hz~53Hz (50Hz), 53Hz~63Hz (60Hz)
AC Output	
Output Wave	Pure Sine Wave
Conversion Efficiency(INV mode)	94% (peak value)
Output Voltage/Frequency (INV mode)	220VAC/230VAC/240VAC±2%/50Hz ±1%,60Hz ±1%
MPPT Solar Charge Controller	
Max PV Input Voltage(Voc) (At The Lowest Temperature)	500VDC
PV Array Maximum Power	6000W
MPPT Tracking Voltage Range	120V~450VDC
MAX PV Charging Current	100A
Other	
Protection	Battery undervoltage protection/Battery overvoltage protection/Overload power protection/Inverter output short circuit protection/Temperature protection
Protection Degree	IP67
Display	LCD+LED
Cooling Method	Cooling fan in intelligent control
Communication	USB/RS232 communication , mobile APP (WIFI monitoring or GPRS monitoring) Optional
Working Mode	Mains priority/PV priority/Battery priority
Operating Temperature	-15 °C to 40 °C
Relative Humidity	0%-95% (No condensation)
Size	
Product Size(L*W*Hmm)	525*180*900
Package Size(L*W*Hmm)	535*190*910

Solar Inverter with Lithium Battery Connection Diagram

Whether you're a homeowner seeking energy independence or a business owner aiming to reduce operational costs, our 5kw solar inverter with lithium battery adapts to your needs. It's suitable for residential, commercial, and industrial settings, making it the ultimate energy solution. There is no need to worry about whether it can carry your load, the pure sine wave solar inverter is suitable for any inductive and resistive load, as long as the total load power does not exceed 5kw.

