

## PLI-LI SERIES LOW FREQUENCY LITHIUM BATTERY PORTABLE SOLAR GENERATOR

2kW-6kW



## **Performance Characteristics**

- 1.Pure sine wave output
- 2. Widely input voltage range
- 3.4 working modes selection
- 4.8 fast-charging USB ports
- 5.Well-designed for ease of portability
- 6.Convenient with more power output like AC, USB, and 12VDC/24VDC
- 7.FM Radio function, also can support MP3, USB flash disk and memory card
- 8. Easy to set up even during an emergency
- 9.LCD display to show charging and dispensing progress
- 10.Auto restart while AC is recovering
- 11.Overload and short circuit protection
- 12. Compatible to mains voltage or generator power
- 14.Smart multi-stage battery charger with optional equalization for optimized battery performance
- 13.Metal case to make the product difficult to deform to guaranteelong lifetime usage

This portable solar generator is equipped with an advanced MPPT solar charge controller to maximize and regulate DC power from the solar panels (arrays) for charging the battery bank. It features external battery input port, you can add more battery banks onto your generator system for more robust storage capacity. The unit is the most compact, easy to use plug-and-play source of renewable, portable power station.

In addition, the portable solar power station does not require any gas to run and also does emit any toxic fumes like standard gas generators can, not to mention it does not produce any sound. With the solar panel(s), the generator is a complete solar electric production and storage unit. Generators are self-contained power which generate their own electricity by use of a solar panel. Solar power is not a one-size-fits-all, and though power backup is important for most solar projects, the portable solar generator is created specifically to cater to the needs of tiny homes and small house, minimal living.

## **Application Diagram**





## **Technical Specifications**

Model	PLI 2000-Li-A	PLI 2000-Li-B	PLI 3000-Li-A	PLI 3000-Li-B	PLI 4000-Li	PLI 5000-Li	PLI 6000-l
PHASE	1-phase in/1-phase out						
RATED POWER	2000W		3000W		4000W	5000W	6000V
Dimension DxWxH (mm)	626x366x800						
INPUT							
Voltage	110Vac/120Vac/127Vac / 220Vac/230Vac/240Vac (+25%, -25%)						
Frequency Range	50 Hz/60 Hz (Auto sensing)						
ОИТРИТ							
AC Voltage Regulation (Batt. Mode)	110Vac/120Vac/127Vac / 220Vac/230Vac/240Vac ± 5%						
Frequency	50Hz/60Hz ± 0.5Hz						
Surge Power	600	00W	900	WOO	12KW	15KW	18KW
Efficiency (Peak)	86% 91%						
Transfer Time	<8MS						
Crest Factor	3:1						
Waveform	Pure sine wave						
DC Voltage	24VDC						
High-voltage Protection	32VDC						
High-voltage Recovery	30.4VDC						
Low-voltage Protection	22VDC						
Low-voltage Recovery	25.2VDC						
USB Interface	5VDC 3A						
BATTERY & AC CHARGER							
Battery Voltage	25.6VDC	51.2VDC	25.6VDC	51.2VDC		51.2VDC	
Battery Type	LiFePO4 Battery						
Battery Capacity	25.6V 150AH	51.2V 100AH	25.6V 150AH	51.2V 100AH	51.2V 180AH		
Floating Charge Voltage	29.2VDC	58.4VDC	29.2VDC	58.4VDC		58.4VDC	
Overcharge Protection	29.6VDC	59.2VDC	29.6VDC	59.2VDC		59.2VDC	
MPPT SOLAR CHARGER & AC CHAR	GER		ı				
PV Array Open Circuit Voltage Range	25.6VDC: 30VDC - 130VDC 51.2VDC: 60VDC -130VDC						
Max. PV Array Open Circuit Voltage	150VDC						
Max. Solar Charge Current	60A						
MPPT Efficiency	99.50%						
Start Charging Current	4VDC higher than battery voltage						
Low Input Voltage Protection Point	1VDC higher than battery voltage						
Max. AC Charge Current	0A-30A Adjustable						
PROTECTION							
Overload Protection	Full load 100%, Inverter alarm. Overload 120%, Inverter shut down output in 10s.Once the load back to normal, Inverter recovers output.						
Output Short Circuit	Shut down automatically.						
High AC Input Voltage	Turn off AC, transfer to inverter mode automatically.						
Low Battery Voltage	Shut down automatically. Once the AC input recover, inverter turn on and charge automaticall						