



GLOBAL LF SERIES PURE SINE WAVE INVERTER CHARGER



Part # **PICGLF60W24V240VS**

6000 Watt Pure Sine Inverter Charger with Built in Solar Charge Controller – 24 Volt Split Phase

This low frequency inverter charger is one of the most versatile inverters available today. This unit has all the features you need for any application. This is a split phase inverter, which means it has two legs of 110Vac that can run in-phase to create 220Vac. This inverter can work virtually anywhere in the world on any power system, it automatically detects 50hz or 60hz. This inverter charger, has a built in MPPT solar charge controller. This unit is built on a very reliable low frequency platform. The low frequency transformers in this pure sine wave inverter will give this unit a longer service life, when compared to a cheaper high frequency model.

Features:

- 6000 watt low frequency inverter
- 18000 watt surge for 20 seconds -3x surge capability
- Battery Priority Selector
- Terminal Block
- GFCI
- Marine Coated and Protected
- Multi Stage Smart charger
- 60 Amp MPPT solar charge controller - PV in 30-55Vdc
- remote panel available

- auto gen start
- auto frequency
- 10msec typical transfer time
- optional 25W power save mode
- 7 battery type settings for charger

Specifications:

Inverter Output Specifications:

Continuous Output Power:	6000 Watts
Surge Rating:	18000 Watts (20 Seconds)
Output Waveform:	Pure Sine/Same as input (Bypass Mode)
Nominal Efficiency:	>88% (Peak)
Line Mode Efficiency:	>95%
Output Frequency:	50Hz +/- 0.3Hz / 60Hz +/- 0.3Hz
Typical Transfer Time:	10ms (Max)
THD:	< 10%

DC Input Specifications:

Nominal Input Voltage:	24.0Vdc
Minimum Start Voltage:	20.0Vdc
Low Battery Alarm:	21.0Vdc-22.0Vdc
Low battery Trip:	20.0Vdc-21.0Vdc
High Voltage Alarm:	32.0Vdc
Low battery Voltage Restart:	31.0Vdc
Idle Consumption:	<25W when Power Saver on

Charger Specifications:

Output voltage:	Depends on battery Type
Charger Rate:	85A

Solar Charge Controller Specifications::

Rated Voltage:	24V
Input Voltage Range:	30-55Vdc
Rated Charge Current:	60A
Rated Output Current:	15A
No Load Current:	< 10mA
Bulk Charge:	29.0V (default)
Floating Charge:	27.0V (default)
Equalization Charge:	28.0V (default)

Dimensions:

Unit Weight:	108 lbs.
Unit Size L x W x H:	18.5 x 7.5 x 13.4 inches
Shipping Weight:	112 lbs.
Shipping L x W x H	23.2 x 13 x 18.7 inches