



### 3kw Off Grid Pv Inverter

3kw off Grid Pv Inverter: ISOLAR INVERTER is a production, sales, the integration of solar photovoltaic system equipment of new energy company, headquartered in zhejiang, with a number of domestic and foreign sales branch, to provide high-end solar energy storage power, solar (pv) power generation system, solar and off-grid INVERTER system, sine wave INVERTER power supply, photovoltaic panels, pumping INVERTER,

Solar water pump integrated machine manufacturer. Storage and control products are widely used in power, fire control, telecommunications, airports, highways, subway, radio and television, railway, military, finance, hospitals, industrial and mining enterprises, road, construction, petrochemical and other industries, can meet the needs of different industries.

### Product Description

**3kw off Grid Pv Inverter** Is ISOLAR INVERTER company independent research and development of a multi-functional off-grid solar all-in machine, it can put solar power directly to electrical appliances, reduce the intermediate link, improve conversion efficiency, ready, MPPT controller has three-stage charging mode: MPPT-improve charging-floating charge, using power frequency pure sine wave,super belt load, stable stability, using a new generation of reverse control technology, the efficiency increased by 20%

ISOLAR INVERTER of 3w off Grid Pv Inverter As a solar off-grid inverter used in photovoltaic off-grid, through solar panels, batteries, plus inverter control machine to transfer electricity to the use of equipment.

### Product Parameter (Specification) of 3w off Grid Pv Inverter

Model		GS1000	GS2000	GS3000	GS4000	GS5000	GS6000	GS8K	GS10K	GS12K	
	Nominal Power	1KW	2KW	3KW	4KW	5KW	6KW	8KW	10KW	12KW	
AC Input	Input Voltage Waveform	Sinusoidal (utility or generator)									
	Nominal input Voltage	120/230VAC					230VAC				
	Low Line Disconnect	85Vac±4% (Normal) or 80Vac±4% (Wide) for 120V					184Vac±4% (Normal) or 135Vac±4% (Wide) for 230V				
	Low Line Re-connect	95Vac±4% (Normal) or 85Vac±4% (Wide) for 120V					194Vac±4% (Normal) or 145Vac±4% (Wide) for 230V				
	High Line Disconnect	136Vac±4% (Normal) or 140Vac±4% (Wide) for 120V					263Vac±4% (Normal) or 263Vac±4% (Wide) for 230V				
	Max AC input Voltage	120V for Max150V, 230V for Max270V					230V for Max270V				
	Frequency	50Hz:41-54Hz, 60Hz:51-64Hz									
AC Output	Output Voltage Waveform	Sine wave									
	Power Factor	0.9~1.0									
	Nominal Output Voltage	LV:120Vac ±10%rms, HV:230Vac ±10%rms									
	Nominal Output Frequency (Hz)	50Hz ± 0.3Hz, 60Hz ± 0.3Hz									
Solar Charger	Rated Charge Current	60A									
	PV Input Voltage range	30VDC-55VDC for 24VDC, 60-145VDC for 48V									
	Max.PV open circuit array voltage	24V for 55Vdc, 48V for 145Vdc									
	Charger mode	MPPT									
	PV Low Voltage Re-connect	PV≥Bat.V+3V									
	PV Low Voltage Disconnect	PV≤Bat.V									
	Efficiency	≥97%									
AC Charger	Nominal Charger Current	20A/35A/50A/70A/90A( 5 stages adjustable charging Current)									
	Over charge Protection	Bat.V≥31.0VDC for 24V battery, Bat.V≥62.0VDC for 48V battery & beeps 0.5s every 1s & fault after 60s									
Charger	Nominal Charge Current	20A/35A/50A/70A/90A(According to the inverter model) & adjustable 5 stages charging Current									
	Over charge Protection	Bat.V≥15.5VDC/31.0VDC/62.0VDC, beeps 0.5s every 1s & fault after 60s									
Efficiency	Efficiency(Battery Mode)	≥87%									
	Efficiency (Line Mode)	>98%									
	Nominal DC input Voltage	24/48VDC									

### 3kw Off Grid Pv Inverter Feature And Application

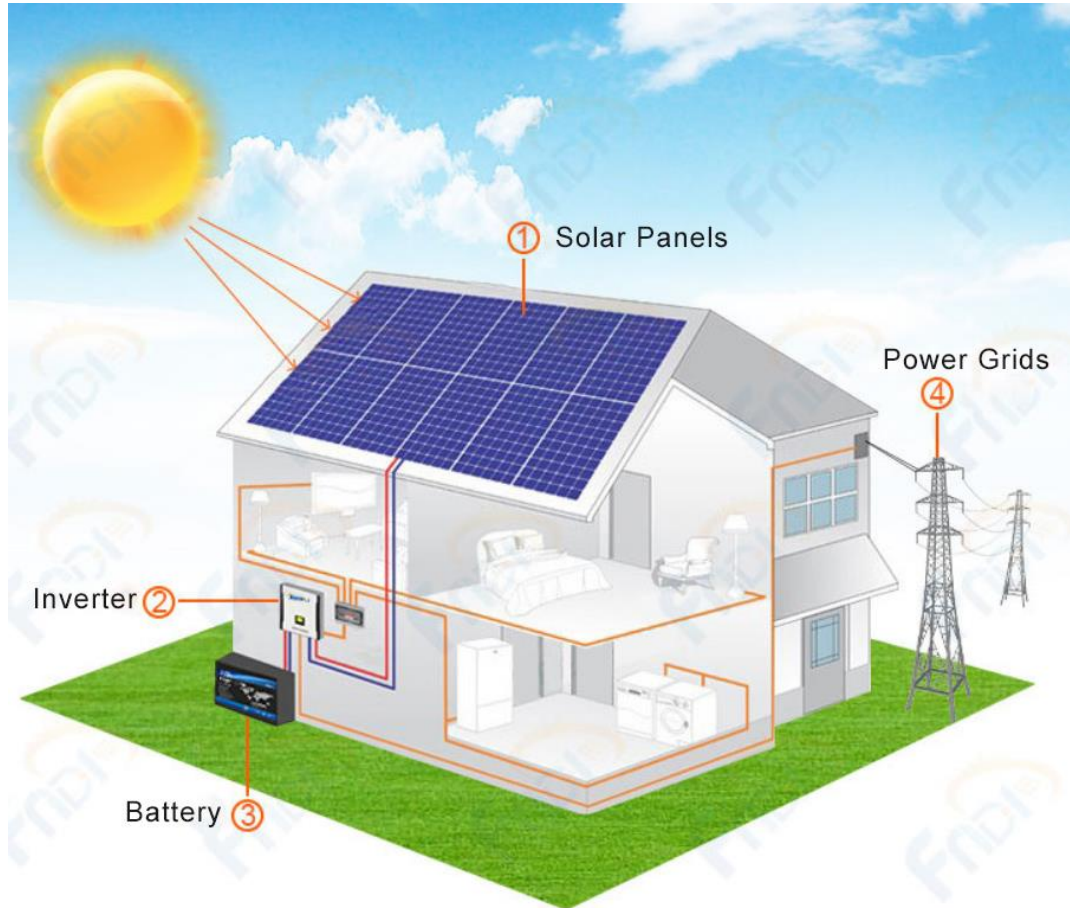
ISOLAR INVERTER I produces 3KW off-grid inverter is sufficient power output, achieve low no-load loss, high conversion rate, built-in MPPT controller, maximum power point tracking, efficiency increase 15-20%, power frequency inverter more suitable drive perceptual load, longer service life, our inverter charging current adjustment, with UPS function, load capacity, RS485 communication, convenient to use customer unified integration management and secondary development. LCD display large screen, let you vision more comfortable, with overcharge, overput, overload, high temperature, short circuit and other aspects protection functions. Using the combination of patch + module processing process, make the performance more stable, ISOLAR INVERTER I let you use more at ease.

### Product Details

Intelligent mode: when the battery power is sufficient, the limited use of battery inverter to load power supply, battery power, city access, seamless switch to city power supply, city is not access, inverter shutdown, the next day photovoltaic charger to charge battery to the preset power, inverter restart inverter to load power supply.. Battery priority mode: When the inverter is connected to the battery, use the battery inverter first for power supply.

When the battery charging rating is automatically transferred to the battery inverter for power supply.

**The Best Solar Panels for Portable Solar Generators**



This product is suitable for wind power, photovoltaic power, wind and solar power complementary off-grid power generation system, coastal islands, remote mountainous areas, border posts and other unmanned areas of the power supply.