

# IG Series 500~2000VA

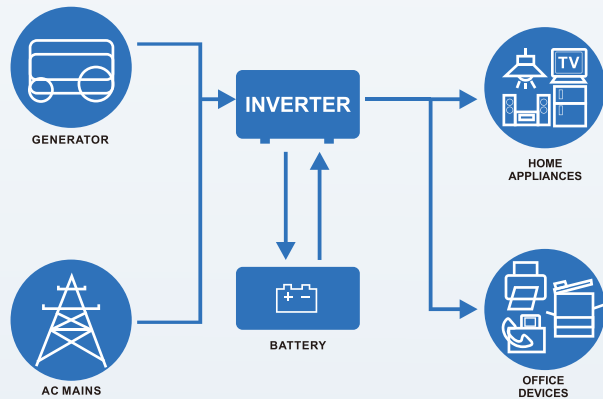


The IG500-2000VA series inverter/charger system converts DC power to AC power with amazing transfer efficiency. With the continuous output and compact design, the IG is excellent for home and office environment. Appliances such as TVs, stereos, desktop or laptop computers and others can be connected to IG for the uninterruptible power.

## Features:

- ◆ IG Series AC charging Inverter.
- ◆ Adopt advanced MCU microprocessor control technology.
- ◆ Modified sine wave output.
- ◆ User selectable for wide or narrow input voltage range.
- ◆ Full automatic and silent operation.
- ◆ Intelligent speed fan to release heat.
- ◆ Compact size for convenient use and storage.
- ◆ Built-in 10Amp super charger for up to 200Ah battery, off charging mode, even inverter not start, it can still charge.
- ◆ Small scale and cost effective inverter for home appliances and office equipment.
- ◆ Multi-functional LED indicator light and alarm device.

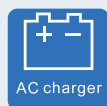
## Application:



Home



Office



AC charger



LED display



87%  
Efficiency

## Specifications

Modified sine wave charger Inverter

Model	IG500-12	IG1000-12	IG2000-24
<b>Power Rating</b>	500VA/300W	1000VA/600W	2000VA/1200W
<b>AC Input</b>	Input Voltage Waveform Sinusoidal (utility or generator) Nominal input Voltage 230VAC Selectable Voltage Range 170-280Vac±5%(Narrow Range), 90-280Vac±5%(Wide Range) Max AC input Voltage Max:280VAC Frequency 50Hz, 60Hz		
<b>AC Output</b>	Output Voltage Waveform Modified sine wave Voltage Regulation(Batt.Mode) 230VAC (+10% / -18%) Nominal OutputFrequency (Hz) 50Hz or 60Hz (Auto detection) Transfer Time 15ms Typical, 20ms Max.		
<b>AC Charger</b>	Charging Algorithm 3-step charging Nominal Charger Current 10Amp Floating Charging Voltage 13.7VDC 27.4VDC Over charge Protection 16VDC 32VDC		
<b>Efficiency</b>	Efficiency (Battery Mode) >87% Efficiency(Line Mode) >98%		
<b>Battery Voltage</b>	Nominal DC input Voltage 12VDC 24VDC Low Battery Alarm 10.5VDC±0.3VDC 21VDC±0.6VDC Low DC input shut-down 10VDC±0.3VDC 20VDC±0.6VDC High DC inputAlarm & Fault 16VDC±0.3VDC 32VDC±0.6VDC		
<b>System Parameter</b>	Protections Low battery, over charging, over load, over temp Indicators LED Display Over-Load Protection 1min Load >110%, 20s Load >120%, 0s Load >150%		
<b>General Specifications</b>	Operating Temperature Range 0°C to 40°C Storage Temperature -15°C~60°C cooling Forced air, variable speed fan Dimension(L*W*H) 224*255*80mm Net Weight(kg) 1.7kg 2.3kg 2.5kg		

◆ Product specifications are subject to change without further notice.