

# Datasheet GP121000 & GP241000

## 12/24VDC-230VAC 1000W Modified sinus inverter

Modified sine wave inverter from Genius is a product designed for the leisure market. It is compact and lightweight and ideal for mounting in tight spaces, such as vehicles and caravans. With 1000W continuous power, these models are ideal for use with laptop, digital camera, game console, halogen work light, lights and small hand tools.



The advantage of using this type of inverter is definitely the price and weight. Genius is one of the best brands in the market at this price level, and they are therefore one of the most popular products on the market.

Modified sine wave is also called trapezoidal or square wave. This means that this type of inverter does not provide a pure sine wave like our main power available at home and as we know from more expensive inverters. As most hobbyists are using products which are not critically sensitive or have inductive and offset loads, the limitations by using a modified inverter are therefore of minor nature. The Genius inverter is electronically isolated and has soft start power.

Specifications	
<b>Dimensions L/W/H</b>	310 mm x 205mm x 75mm
<b>Net. weight:</b>	5 kg
<b>Connecting to 12V DC:</b>	Cable with terminals included
<b>Connecting to 230V AC:</b>	Delivered with two Schuko sockets
<b>Alarm and thermal shut down:</b>	At 60° +/- 5° degrees Celsius
<b>Short-circuit protection</b>	Yes



Model specifications	GP121000	GP241000
<b>DC Input Voltage</b>	10VDC-15VDC	20VDC-30VDC
<b>Continuous power output</b>	1000W	1000W
<b>Output power surge</b>	2500W	2500W
<b>No load current draw</b>	<0.8A	<0.4A
<b>DC Input fuse</b>	35Ax4	35Ax2
<b>Low battery alarm</b>	10.5VDC +/- 0.5V	21VDC +/- 1V
<b>Low battery shuts down at</b>	10VDC +/- 0.5V	20VDC +/- 1V
<b>High battery shuts down at</b>	15,5VDC +/- 0.5V	30VDC +/- 1V

RoHS Compliant- 2002/95/EC -- E-mark approval – 72/245/EEC / 2006/96/EC  
 CE approval- EMC- EN55022/ EN55024 LVD- EN61558 :97 + A1 : 98