

Datasheet GP123000 & GP243000

12/24VDC-230VAC 3000W 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 3000W continuous power, these models are ideal for use with standard light bulb, laptop, blender, TV, air conditioner, vacuum cleaner, coffee machine and 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 users 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	
Dimensions L/W/H	395 mm x 236mm x 923mm
Net. weight:	4,7 kg
Connecting to 12V DC:	Cable is not included
Connecting to 230V AC:	Delivered with one Schuko socket
Alarm and thermal shut down:	At 60° +/- 5° degrees Celsius
Short-circuit protection	Yes



Model specifications	GP123000	GP243000
DC Input Voltage	10VDC-15VDC	20VDC-30VDC
Continuous power output	3000W	3000W
Output power surge	6000W	6000W
No load current draw	<1,5A	<1A
DC Input fuse	40Ax8	25Ax8
Low battery alarm	10.5VDC +/- 0.5V	21VDC +/- 1V
Low battery shuts down at	10VDC +/- 0.5V	20VDC +/- 1V
High battery shuts down at	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