



Genius DC-AC INVERTER

Power inverter convert DC voltage into conventional AC voltage that you can use to operate all kinds of AC devices like electric lights, kitchen appliances, microwaves, power tools, TVs, radios, computers, to name just a few. You just connect the inverter to a battery, and plug your AC devices into the inverter ... and you've got portable power ... whenever and wherever you need it.

The inverter draws its power from a 12 Volt battery (preferably deep-cycle), or several batteries wired in parallel. The battery needs to be recharge as the power is consume by the inverter. The battery recharged can be by running the automobile motor or a gas generator, solar panels, wind-mills. Or you can use a battery charger plugged into an AC outlet to recharge the battery.

Genius™

Genius lightweight, high efficiency 100% solid-state inverters feature low battery alarm, low battery shut down, overload and short circuit protection, thermal protection and a cooling fan. The high surge current capability starts difficult loads such as motors and other inductive loads. All models: 120VAC, 60Hz output. Battery cables included. UL listed, CAS approved and CE certified. 90% efficiency and one year warranty. Models for export voltage also available - 230, 50Hz, 200, 60Hz.

Note: Tare loss is less than 1 watt with switch "off".

The Genius G-12-150 Specification:

Model No.	G-12-150	G-24-150	G-48-150
Output power 25 min:	1500W	1500W	1500W
Output power 10 min:	1700W	1700W	1700W
Output power cont'	1500W	1500W	1500W
Output power surge:	2500W	2500W	2500W
Output voltage 110V 220V	117VAC rms 230VAC rms	117VAC rms 230VAC rms	117VAC rms 230VAC rms
Regulation	+1-5%	+1-5%	+1-5%
Output wave form	Modified Sine Wave	Modified Sine Wave	Modified Sine Wave
DC input voltage	10 - 15V	20 - 30V	40 - 60V
Low battery alarm	10.7V	21.5V	42V
Low battery shut-down	10V	20V	40V
Frequency +/-1% 110V 220V	60Hz 50Hz	60Hz 50Hz	60Hz 50Hz
Efficiency	85-90%	85-90%	85-90%
No load draw 110V 220V	600mA	300mA	150mA
Dimensions (L x W x H)	430 x 240 x 77mm	430 x 240 x 77mm	430 x 240 x 77mm
Net Weight	3.8KGS	3.8KGS	3.8KGS



Marketed by

Securitex Electronic Systems Engineering

Block 9010 Tampines St 93 #04-145 Singapore 528844 Tel: 65-67852171 Fax: 65-67863351

<http://www.securitex.com.sg>