

G3 Sine Wave Inverters

Power. Anytime. Anywhere.



12v, 24v or 36v to 230VAC/50Hz

COMPACT POWER INVERTERS



Pure sine wave curve



Smooth start-up technology



Safe voltage shutdown



Neutrik connectors

FULL OUTPUT POWER: -20°C to +50°C

CLAYTON[™]
POWER

CP | G3 Sine Wave Inverters

Get reliable power available, everywhere.



From 12, 24 or 36 volt batteries the DC energy is converted to 230 VAC with a true or pure sine wave curve.

The converted sine curve from a sine wave inverter, the AC energy can be compared to that produced by the fixed 230 VAC 50 Hz grid connection.

The 100% controlled sine wave curve ensures trouble-free connection of all 230 VAC applications.

All the pure sine wave inverters from Clayton Power, are designed to supply 2-3 times more power for short periods.

The continuous power is very important, yet the peak / start-up power factor is just as important. Most connected applications use significantly more power when starting up than at any other time of operation.

The sine wave inverter is based on the more advanced switch mode technology to be able to power 100% output in FTS, full temperature scale -20°C to +50°C (-4°F to +122°F). It also means that the G3 power inverter has a low weight and is designed very compact.

All the G3 Sine Wave Inverters is manufactured and tested in Europe.



Sine Wave Inverter series:

12VDC - 230VAC/50Hz

1000W | G3 1012

1300W | G3 1312

2000W | G3 2012

24VDC - 230VAC/50Hz

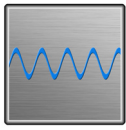
1000W | G3 1024

1500W | G3 1524

2300W | G3 2324

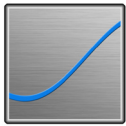
36VDC - 230VAC/50Hz

2300W | G3 2336



Pure sine wave curve

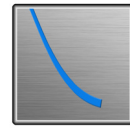
Energy as mains. Able to handle sensitive electrical appliances.



Smooth start-up technology

Start-up of electrical appliances with high peak power loads.

Small and compact design



Safe voltage shutdown

Protects the battery pack against deep discharge.



Neutrik connectors

Fast, safe and easy installation. (included)

Manufactured in Europe

12VDC - 230VAC/50Hz Sine Wave Inverters

Model	Description	Effect cont.	Effect 15min.	Peak	SRP* (Ex VAT)
G3-1012	12VDC / 230 VAC - 1 kW	1000W	1200W	2000W	€710,-
G3-1312	12VDC / 230 VAC - 1,3 kW	1300W	1500W	3000W	€910,-
G3-2012	12VDC / 230 VAC - 2 kW	2000W	2300W	4000W	€1260,-

24VDC - 230VAC/50Hz Sine Wave Inverters

Model	Description	Effect cont.	Effect 15min.	Peak	SRP* (Ex VAT)
G3-1024	24VDC / 230 VAC - 1 kW	1000W	1200W	2000W	€770,-
G3-1524	24VDC / 230 VAC - 1,5 kW	1500W	1700W	3000W	€1120,-
G3-2324	24VDC / 230 VAC - 2,3 kW	2300W	2500W	4500W	€1270,-

36VDC - 230VAC/50Hz Sine Wave Inverters

Model	Description	Effect cont.	Effect 15min.	Peak	SRP* (Ex VAT)
G3-2336	36VDC / 230 VAC - 2,3 kW	2300W	2500W	4500W	€1270,-

SRP* = Suggested Retail Price, exclusive national and local VAT.



Datasheet

Sine Wave Inverter	G3 1012	G3 1312	G3 2012	G3 1024	G3 1524	G3 2324	G3 2336
Continuous output power in FTS*:	1000W	1300W	2000W	1000W	1500W	2300W	2300W
Output power surge (1 sec.):	2000W	3000W	4000W	2000W	3000W	3000W	4000W
Output power surge (10 sec.):	1500W	1800W	2800W	1500W	1800W	3000W	3000W
Output power surge (15 min.):	1200W	1500W	2200W	1200W	1700W	2500W	2500W
Nominal input voltage:	12VDC	12VDC	12VDC	24VDC	24VDC	24VDC	36VDC
Max input voltage:	15VDC	15VDC	15VDC	30VDC	30VDC	30VDC	45VDC
Low battery voltage cut-off (Slow 3 sec.):	10,5VDC	10,5VDC	10,5VDC	21VDC	21VDC	21VDC	25VDC
Low battery voltage cut-off (Fast <10 mS):	9VDC	9VDC	9VDC	18VDC	18VDC	18VDC	23VDC
No load power consumption:	10W	10W	15W	10W	10W	15W	17W
Voltage for switch ON (after cut-off):	12,75VDC	12,75VDC	12,75VDC	25,5VDC	25,5VDC	25,5VDC	38,25VDC
Dimensions (mm):	299x198,2x116	299x198,2x116	376x198,2x116	299x198,2x116	299x198,2x116	376x198,2x116	376x198,2x116
Weight:	7,5kg	7,5kg	9,5kg	7,5kg	7,5kg	9,5kg	9,5kg

FTS* = Full Temperature Scale: -20°C to +50°C (-4°F to +122°F)

Nominal output voltage:	230VAC
Output voltage tolerance:	-10% to +5%
Frequency:	50Hz
Output wave form:	true/pure sine wave
Tolerance at input voltage 25V to 31.5V:	(G3 2336: -18% to +5%)
THD max.:	3%
Efficiency:	90%
Operating temperature:	-20°C to +50°C (-4°F to +122°F)
Max internal temperature:	Inverter shut down: +80°C (176°F)
Approvals:	CE, E13-ECE 10R03/2004/104/EG
Protection category:	IP21