

# G3 Combi - Inverter/Charger

230VAC/50Hz



The Combi is a combination of a sine wave inverter and an intelligent battery charger. The unit has a number of benefits thanks to its dual functionality.

The Combi charges batteries, when it is connected to the fixed 230 VAC grid or an external power source. When it is disconnected, the sine wave inverter part converts energy from the battery to 230 VAC. This function is particularly well-suited for emergency power (UPS). The obvious advantage is of course that it is always possible to charge and use batteries with one and same unit.



+  
100% output effect  
-20° to +50° C.

## Models and special features:

### Inverter/Charger 12 volt series:

1000W ~ 50A model: CP 1012-50

1300W ~ 80A model: CP 1312-80

2000W ~100A model: CP 2012-100

### Inverter/Charger 24 volt series:

1000W ~ 30A model: CP 1024-30

1500W ~ 40A model: CP 1524-40

2300W ~ 50A model: CP 2324-50

- + True / Pure Sine Wave Inverter.
- + Intelligent Multi Charger.
- + Automatic transfer between Inverter/Charger.
- + Smooth start up technology  
Start up heavy duty loads with high peak power consumption.
- + Safe voltage shutdown function.
- + Fully automatic 3 step charge cycle control.
- + Adjustable battery and charge settings by single wire bus.
- + Integrated UPS functions (Uninterruptible Power Supply).
- + Custom made to harsh environment.
- + 100% output effect from -20°C to +50°C.
- + Vibration resistant.
- + Small and compact design.

**CLAYTON**<sup>TM</sup>  
POWER

## Data

Model	1012-50	1312-80	2012-100	1024-30	1524-40	2324-50
Output Wave form	True / Pure Sine Wave					
Power control	Yes					
<b>Inverter</b>						
Input voltage	12 VDC			24 VDC		
Output voltage	230 VAC / 50Hz					
Cont. output power FTS	1000W	1300W	2000W	1000W	1500W	2300W
Peak power (1 sec.)	2000W	3000W	4000W	2000W	3000W	4500W
Output power (15 min.)	1200W	1500W	2300W	1200W	1700W	2500W
Max. efficiency	90%					
<b>Thermal management</b>						
Operating temperature	100% output effect from -20°C to +50°C					
Max internal temperature (inverter shut down)	+80°C					
<b>Charger</b>						
Max charge current (adjustable)	0-50A	0-80A	0-100A	0-30A	0-40A	0-50A
AC input	185-265 VAC, 45-65Hz					
Boost charge voltage (pre-set)	14,4 VDC			28,8 VDC		
Float charge voltage (pre-set)	13,5 VDC			27,0 VDC		
Battery temperature sensor (NTC)	YES (option)					
<b>Enclosure</b>						
Dimensions (LxWxH)	299x198x116		376x198x116	299x198x116		376x198x116
Weight (kg)	7,5		9,5	7,5		9,5
Protection category	IP20					
<b>Safety</b>						
Approvals	CE, E13-ECE 10R03/2004/104/EG					