

# G3 - Sprint Combi

COMBINATION INVERTER—CHARGER—TRANSFER SWITCH



## FEATURES

- Small and compact design
- True sine wave inverter section
- Integrated UPS functions
- Start up heavy duty loads with high peak power consumption
- Fully automatic 3 stage charge cycle control
- Adjustable battery and charge settings by single wire bus
- Custom made for harsh environment, special lacquer coating and double galvanic separation
- Future proof. Online upgrades of software via internet or mobile communication devices
- Applications and in-service support from a UK company

**Mains electricity is often required on-board vehicles and in remote applications to drive tools, computers, air-conditioning, refrigeration and other specialised loads where a mains connection is impractical or impossible.**

**The G3 Sprint combination charger/inverter produces a true sinewave output from a battery. It converts power at very high efficiency to give the maximum possible running time from the battery. Compact size, light weight and high efficiency are achieved by using high frequency output circuitry.**

**The system is designed and produced to professional standards by our Danish partner company Clayton Power.**



FM 37786  
ISO 9001:2000

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# Compact Sprint Combi - G3

COMBINATION INVERTER—CHARGER—TRANSFER SWITCH

Description	CP1012-50	CP1024-30	CP1512-80	CP1524-40	CP2012-100	CP2324-50
<b>Part Number</b>	<b>91410</b>	<b>91411</b>	<b>91412</b>	<b>91413</b>	<b>91414</b>	<b>91415</b>
<b>Battery voltage</b>	12V	24V	12V	24V	12V	24V
<b>DC Input voltage</b>	10.5-15V	21-30V	10.5-15V	21-30V	10.5-15V	21-30VDC
<b>AC input</b>	Input 190-250VAC, 45-65Hz , via neutrik connector)					
<b>AC output</b>	Output 230VAC (+3%/-10%)					
<b>Continuous power</b>	1000W	1000W	1500W	1500W	2000W	2300W
<b>Max power (15mins)</b>	1200W	1200W	1700W	1700W	2300W	2600W
<b>Peak power (1sec)</b>	2000W	2000W	3000W	3000W	4000W	4500W
<b>Maximum efficiency</b>	Typically 90%					
<b>Charger amps (adj)</b>	50A	30A	80A	40A	100A	50A
<b>Dims width (mm)</b>	178	178	190	178	190	190
<b>Dims length (mm)</b>	340	340	418	340	418	418
<b>Dims height (mm)</b>	110	110	122	110	122	122
<b>Weight</b>	6kg	6kg	8kg	6kg	8kg	8kg
<b>No-load power</b>	10W	10W	15W	12W	15W	15W
<b>Power in search mode</b>	<2W	<2W	<2W	<2W	<2W	<2W
<b>GENERAL DATA FOR ALL UNITS</b>						
<b>Output waveform</b>	True sinewave , <3% Total harmonic distortion at nominal load power					
<b>Charging regime</b>	3 stage, iUoUo					
<b>Transfer time</b>	Typically 10ms					
<b>Operating temp</b>	-20°C to +50°C					
<b>AC Connections</b>	neutrik power connector					
<b>DC Connections</b>	2 x 8mm bolts					
<b>Protection</b>	Overload, short circuit, reverse polarity (fuse), over/under input voltage, high temperature, load dump					
<b>Extra functions</b>	battery full, float charging, boost charging, equalise charging, fault code 'flashing', low battery					
<b>Enclosure</b>	Anodised Extruded Aluminium, IP21 rated					
<b>Approvals</b>	Fully CE compliant, automotive					