

GridtoGo™ Datasheet



complete power solutions

gridtogo™ SX

Features:

- 2-10kVA 230V 50Hz 1Ø output
- GSM Remote monitoring
- Li-Ion NMC battery
- 100A passthrough capacity
- Automatic generator start/stop
- 7 day Programmable timer
- Maintenance free
- Zero emissions, Zero noise



Single phase in →

→ Single phase out

General Description

gridtogo™ INGENIUM SX is a portable power unit that is noise and emission free. It is an alternative to a noisy petrol or diesel generator with the advantage of having no maintenance requirements (no oil or spark plug to change for example) no exhaust fumes, no hazardous fuel to deal with and without the noise and vibration that is typical of small generators. There are different versions available that offer varying output power and all models are available with 230V output (for running standard appliances) or as a 110V version (for use in the construction or industrial environment). 12V appliances can be connected and there is a USB output to charge portable devices.

How it works

Energy that is stored within the internal battery is converted, electronically, into mains power. Once all the energy has been used up, the unit can be re-charged by one of several means; connecting to a mains power supply, from a conventional generator or, to be truly green, you can connect solar panels. You can use the unit while it is being charged.

Power and Stored Energy

gridtogo™ INGENIUM SX is available in models that vary in power output, battery capacity and battery type. In all cases, the battery is maintenance free and designed for heavy deep-cycle duty. Power output options are available from 2kVA to 10kVA with battery capacity alternatives of 10 and 20kWhrs. The battery is an automotive grade Li-Ion NMC pack.

Options and accessories

A number of optional features are available that include charging adaptors, solar charge pack, trolley base, generator auto start control, dual output voltage and remote communications.

Ideal for use with:

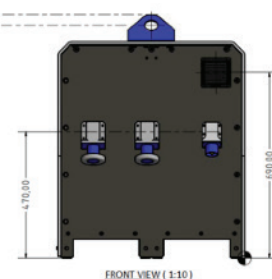
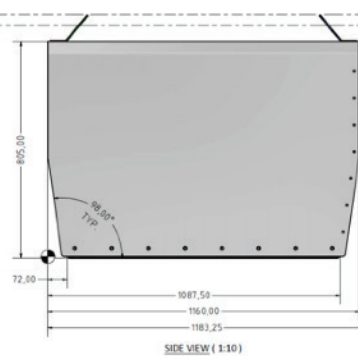
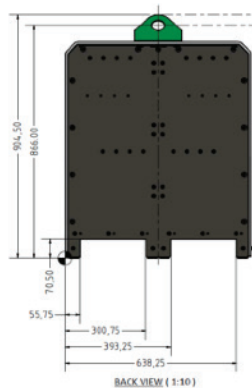
Power Tools	Low Energy Lights	Charge mobile devices	Charge battery tools
Laptop computer	Test equip.	Medical equip.	CCTV & Security

How long will the battery last?

This depends entirely on what is connected. The **gridtogo™** unit is ideal for charging battery operated tools, running hand power tools such as a drill, jigsaw, sander or angle grinder, running low energy lights, a computer or charging a portable devices such as a phone or tablet. Used for these types of loads the unit can last for many hours. Running loads like CCTV or medical equipment, the unit may last for several days without the need to re-charge.

SPECIFICATIONS				
Model	20	30	50	100
Output voltage	230V 50Hz or 110V 50Hz (CTE/dual voltage option, 60Hz option)			
Output power (Continuous)	2000VA	3000VA	5000VA	10000VA
Output power nominal /peak (5s)	4kW	6kW	10kW	20kW
AC output connector	2x 16A IEC 60309		2x 32A IEC 60309	
Max AC input (230V)	32A		63A	
AC Input connector	1 x 32A IEC 60309		1 x 63A IEC 60309	
Inverter protection	Short circuit, overload, over temperature, low battery			
Output protection	2x 16A RCBO 30mA		2x 32A RCBO 30mA	
DC output	2x USB (1 & 2.1 A)			
Battery Type	Li-Ion			
Battery capacity /stored energy	Li-Ion 10 or 20kWh			
Dimensions (HxWxD) mm	905 x 695 x 1183mm			
Weight	125 to 250kg			
Enclosure environmental protection	IP44 weather proof			
Operating temperature range	-10°C to 45°C			

OPTIONAL EQUIPMENT	
Remote communications module	Blue tooth smart device control
Wheeled trolley	Solar PV charge kit
Dual output voltage	Generator auto start



Specifications may change without prior notice. E&OE

AUTOMOTIVE

INDUSTRIAL

OFF GRID

MARINE



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