

## Pure Sine Wave Inverter 100/150W

### GenPack series

- Your mobile generator for small power applications
- Auto-restart function

**The Low Profile** and compact metal enclosure is of a rugged elegance, stowing easily away into the glove compartment of your motor car

**The Pure Sine Wave** at the output is of a clean and undistorted shape, delivering the stable and undisturbed power for your very demanding applications

**The Instinsic Safety** is not restricted to galvanic insulation only: good design practices, attention to detail and solid workmanship leave no room for dangers

**The Start-up of 'difficult' loads**, such as energy saving lamps, electric motors,pumps,television sets or switching power supplies is effortless and instant

**Auto-restart function:** The inverter can recover from all faulty conditions like: Ubatt too low, Ubatt to high, Overtemperature and Overload. After the particular error has been canceled, the inverter automatically continues normal operation.

**The Cool Appearance** is not of a visual nature only: the inverter will stay cool to the touch of your hand, as a result of low internal losses



### Technical Specifications

Model	GP100S-12	GP100S-24	GP150S-12	GP150S-24
Nominal DC-Input(V)	12	24	12	24
AC output power, continuous (W)	100		150	
Surge capability, 2 seconds(W)	≥200		≥300	
Output voltage, nominal load (VAC)	230±5%			
Output frequency(Hz)	50±0.15			
Peak efficiency approximately (%)	>90			
Output waveform (THD)	Pure sine wave (<2%)			
No load power draw (W)	<6			
Input operating voltage range (VDC)	10.5-15.0	21.0-30.0	10.5-15.0	21.0-30.0
AC receptacle	EU, AU, US			
Recommended DC fuse	32V/15A	32V/10A	32V/25A	32V/15A
Operating temperature	0-40°C			
Dimension / Weight	200*115*36mm / 740g			

### Protection Features

Model	GP100S-12	GP100S-24	GP150S-12	GP150S-24
Inverter low battery alarm alert(V)	<10.8	<21.6	<10.8	<21.6
Inverter low battery shutdown(V)	<10.5	<21.0	<10.5	<21.0
Over voltage battery shutdown(V)	>15.0	>30.0	>15.0	>30.0
Overload auto shutdown(W)	>110	>110	>160	>160
Thermal shutdown	>65°C			
Short circuit protection	Yes			
Reverse connection protection	Fuse Blows			

## Pure Sine Wave Inverter, 300/600W

### GenSet series

- Your mobile generator for medium power applications
- Efficiency > 87%

This inverter combines proven analogue and switching technology with good design practises, made evident by it's rugged elegance and attention to detail.

**The Pure Sine Wave** is of a clean and undisorted shape, delivering the stable and undisturbed power for your most demanding applications

**The Start-up of inductive and capacitive loads**, like electric motors, pumps, refrigerators, television sets and switching power supplies is effortless and instant

**The Operating Efficiency** of >87% is in line with the striving for energy conservation

**The Battery Voltage Gauge** indicates the state-of-charge of the battery, by a string of colored LEDs. Over- and under voltage is audibly and visually signalled



### Technical Specifications

Model	GS300S-12	GS300S-24	GS600S-12	GS600S-24
Nominal DC-Input(V)	12	24	12	24
AC output power, continuous (W)	300		600	
Surge capability, 2 seconds(W)	≥600		≥1200	
Output voltage, nominal load (VAC)	230±5%			
Output frequency(Hz)	50±0.15			
Peak efficiency approximately (%)	>87			
Output waveform (THD)	Pure sine wave (<2%)			
No load power draw (W)	<6		<12	
Input operating voltage range (VDC)	10.4-15.0	20.8-30.0	10.4-15.0	20.8-30.0
AC receptacle	EU, AU, US			
Recommended DC fuse (A)	≥35	≥20	≥35	≥20
Operating temperature	0-40°C			
Dimension / Weight	270*130*58mm / 1.3kg		315*150*58mm / 2.2kg	

### Protection Features

Model	GS300S-12	GS300S-24	GS600S-12	GS600S-24
Inverter low battery alarm alert(V)	<10.4	<20.8	<10.4	<20.8
Inverter low battery shutdown(V)	<10.0	<20.0	<10.0	<20.0
Over voltage battery shutdown(V)	>15.0	>30.0	>15.0	>30.0
Overload auto shutdown(W)	>330	>330	>660	>660
Thermal shutdown	>75°C			
Short circuit protection	Yes			
Reverse connection protection	Fuse Blows			

## Pure Sine Wave Inverter, 1500W

### GenSet series

- Your generator for bigger power
- USB-port and Control Panel

The State-of-the-art power inverter combines modern microprocessor control, proven analogue- and switching technology with good design practices and attention to detail, made evident by it's rugged elegance and care for solid workmanship.



**The Pure Sine Wave** is of a clean and undisorted shape, delivering the stable and undisturbed power for your most demanding applications

**The Start-up of inductive and capacitive loads**, like electric motors, pumps, refrigerators, television sets and switching power supplies is effortless and instant

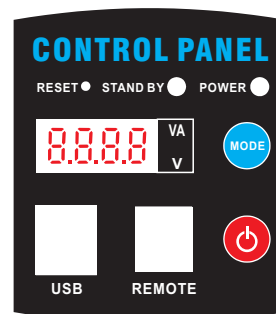
**The Operating Efficiency of >90%** is in line with our striving for energy conversion

**The Energy Saving function at <0.8W** drain in stand-by mode, reduces the burden on your battery, your wallet and environment, to a negligible trickle

**The Control Panel**, with it's digital display, provides on-line information about Battery Voltage[V], Mains Power Loading [W] and protective functions, such as OTP, OVP, OLP, UVP LVP and SHOR. A pair of wires, plugging into a Western Socket, can extend the On/Off switch to a remote location

**The 2 USB-Ports**, located on the control panel, provide 5VDC to charge your mobile phone or others, keeping the 2 Mains output sockets free from being occupied by charge adaptors

**The Cool Appearance** is not of a visual nature only: the inverter will stay cool to the touch of your hand, this being the result of low internal losses



### Technical Specifications

	Model	GS1500S-12	GS1500S-24
Output	Rated Power	1500W	
	AC-Voltage / Mains Frequency	230VAC $\pm$ 5% / 50 $\pm$ 0.15Hz	
	Wave Form	Pure Sine Wave, THD<2%	
	Surge Power / Efficiency	>3000W / 90%	
	Standard Mains Sockets	EU, AU, UK, US	
	Stand-by Current Draw	20...50mA, after 10 minutes of idle time	
	No-Load Power Draw	<15W	
	USB Port	2 Ports, each 5.0VDC, max. 500mA	
	Input	DC-Input Voltage	10.5...15V
Recommended DC-Fuses		32V25A	32V15A
Remote On/Off		2-Core wire, Plugs into western socket	
Battery-Low Alert		VB=10.5...11V: Buzzer & LED, Display: "UVP"	
Battery-Low Shut Down		VB<10.3: Buzzer & LED, Display:"LVP"	
Battery-High Alert		VB>15V: Buzzer & LED, Display:"OVP"	
Battery-High Shut Down		VB>15V	
Battery Polarity Reverse		Fuse Blows	
Protection	Over Temperature (OTP)	Buzzer & LED, Display:"OTP"	
	Over Load Alert	Buzzer & LED, Display:"OLP"(1500...1800W, for 3 mins)	
	Over load Auto-Shut Down	>1500W, after 3 minutes	
	Output Short	Buzzer & LED, Display:"SHOR" if 10 auto re-starts fail, Auto-shut down	
Safety & EMC	EMS Immunity	In compliance with EN61000-3-2,3	
	LVD / e-mark	In compliance with EN55022 class A / e-13*72/245/eec, 95/54/EC	
Other	Dimensions / Weight	430*215*85mm / 6.1kg	

## Modified Sine Wave Inverter, 300/600/1200W

### GenSet series

- Your silent generator for bigger power

The ideal generator to power the electric appliances in your car, caravan, marine craft, alpine hut or other remote places.

**Effortless start-up of 'difficult loads'**, like electric motors, pumps, refrigerators, television sets and switching power supplies.

**Soft-Start function** to protect the inverter and appliances against extreme and sudden inrush currents, produced by inductive or capacitive loads.

**The Battery Voltage Gauge** indicates the state-of-charge of the battery, by a string of coloured LEDs. Over- and under voltage is audibly and visually signalled.

**Protection features** to provide maximum safety for your battery and equipment. This modified sine wave inverter is equipped with the following protective features:

- low battery alarm
- overload shut down
- thermal shutdown
- short circuit protection
- low battery shut down
- over voltage shut down
- reverse polarity protection



### Technical Specifications

Model:	GS300-12	GS300-24	GS600-12	GS600-24	GS1200-12	GS1200-24
Nominal input voltage	12V	24V	12V	24V	12V	24V
Min./ max. input voltage	11-15V	22-30V	11-15V	22-30V	11-15V	22-30V
Typical current consumption	0.5W	0.5W	0.5W	0.5W	0.5W	0.5W
DC fusing	1 x 40A	1 x 20A	2 x 40A	2 x 20A	4 x 40A	4 x 20A
Continuous output power	300W	300W	600W	600W	1200W	1200W
Maximum output power	800W	800W	1200W	1200W	2000W	2000W
AC output voltage	230V	230V	230V	230V	230V	230V
Output voltage tolerance	5%	5%	5%	5%	5%	5%
Output frequency / tolerance	50Hz±1%	50Hz±1%	50Hz±1%	50Hz±1%	50Hz±1%	50Hz±1%
Fan cooling	Yes	Yes	Yes	Yes	Yes	Yes
Dimension mm	270 x 130 x 58	270 x 130 x 58	315 x 130 x 58	315 x 130 x 58	370 x 150 x 58	370 x 150 x 58
Weight	1.3kg	1.3kg	1.7kg	1.7kg	2.3kg	2.3kg