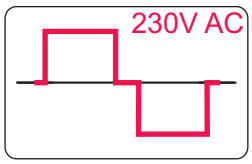
THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2005

I12350 I24350
I12600 I24600
I12800 I24800
I121000 I241000
I121800 I241800
I122500 I242500

STERLING
POWER PRODUCTS

Pro Power Q



Quasi Sine Wave Inverters

English
Deutsch
Français
Español
Italiano
Nederlands
Svenska

CE
RoHS compliant

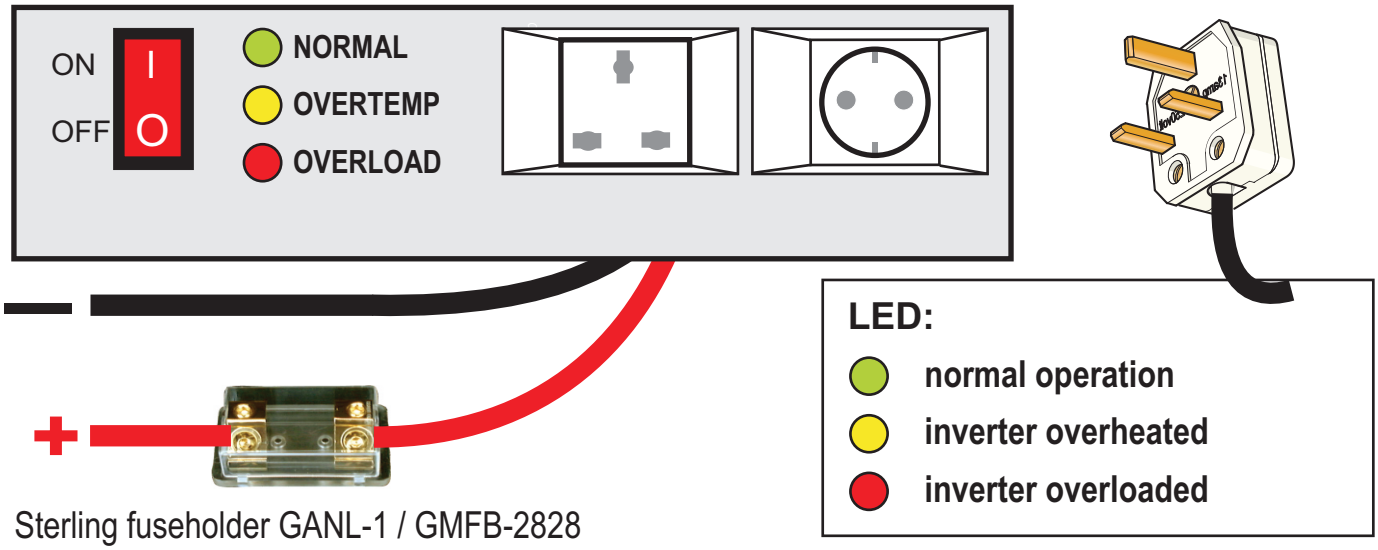
www.sterling-power.com

DYNAMIC : DIGITAL : DURABLE : DESIGN
technology
ProDigital

STERLING Quasi Sine Wave Inverter
12V / 24V DC >> 230V AC

Please read these instructions before use!

WARNING:
DO NOT OPEN INVERTER.
HIGH VOLTAGE!



Sterling fuseholder GANL-1 / GMFB-2828

Operation

- Ensure that the inverter has the correct voltage for your boat or vehicle.
- Fit as **close to the batteries** as possible.
- **Do not reverse the cables!** Connect the red cable to the positive terminal and the black cable to the negative terminal of the battery.
- Always use the inverter in an environment which is
  - **well ventilated**,
  - not exposed to direct sunlight or a heat source,
  - away from water, moisture, oil or grease,
  - away from any highly inflammable substance,
  - out of reach from children.
- **The output voltage of this unit must never be on your AC system at the same time as the 230V external mains line.** If the output voltage is to be used on a ring mains system, a suitable two-pole crossover switch must be used.
- **Always switch on the inverter first**, before plugging in any appliance.

Troubleshooting

If the inverter does not appear to be functioning properly, please check the following:

1)Unit produces no power:
Check the wiring and clean the contacts.
Check the fuses and replace if necessary.
The warranty will be void if the fuse being used is larger than the one recommended!

2)Unit trips due to overload:
Reduce load or purchase a larger inverter.

3)Unit trips due to overheating:
Switch the unit off. Reduce load and wait until the inverter has cooled down. Switch the unit back on again.

4)Unit trips due to low battery voltage:
Check the battery voltage. Recharge the batteries and resume operation.

Warranty (2 years)

Warranty will be void in cases of opened products, physical damage, misuse, modification, repair by unauthorised persons, carelessness and using the product for other purpose than its intended use.

This unit is e-marked for vehicle use and conforms to all CE and EEC directives for light industrial, commercial and household use.

Specifications

Model	12V 350W	24V 350W	12V 600W	24V 600W	12V 800W	24V 800W	12V 1000W	24V 1000W	12V 1800W	24V 1800W	12V 2500W	24V 2500W
Product Code	I12350	I24350	I12600	I24600	I12800	I24800	I121000	I241000	I121800	I241800	I122500	I242500
Continuous Output Power	350W	350W	600W	600W	800W	800W	1000W	1000W	1800W	1800W	2500W	2500W
Peak Output Power	600W	600W	1000W	1000W	1200W	1200W	2000W	2000W	3000W	3000W	4000W	4000W
Input Voltage DC	10V – 15V	20V – 30V	10V – 15V	20V – 30V	10V – 15V	20V – 30V	10V – 15V	20V – 30V	10V – 15V	20V – 30V	10V – 15V	20V – 30V
Output Voltage AC	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)	230V (+/- 5%)
Output Frequency	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)	50Hz (+/- 1Hz)
Standby Current	< 0.4A	< 0.2A	< 0.5A	< 0.25A	< 0.5A	< 0.25A	< 0.5A	< 0.3A	< 0.6A	< 0.4A	< 0.8A	< 0.5A
Protection	Thermal Protection, Overload Protection, Output Short Protection, Battery Low Voltage Shutdown											
Low Voltage Warning	10.0V +/-0.5V	20.0V +/-0.8V	10.5V +/-0.5V	21.0V +/-0.8V	10.5V +/-0.5V	21.0V +/-0.8V	10.0V +/-0.5V	21.0V +/-0.8V	10.0V +/-0.5V	21.0V +/-0.8V	10.5V +/-0.5V	21.0V +/-0.5V
Low Voltage Trip	9.50V +/-0.5V	19.50V +/-0.8V	10.0V +/-0.5V	20.0V +/-0.8V	10.0V +/-0.5V	20.0V +/-0.8V	9.5V +/-0.5V	20.0V +/-0.8V	9.5V +/-0.5V	20.0V +/-0.8V	10.0V +/-0.5V	20.0V +/-0.5V
Dimensions appr. (mm)	190 x 115 x 75	190 x 115 x 75	290 x 210 x 75	290 x 210 x 75	290 x 210 x 75	290 x 210 x 75	190 x 260 x 90	190 x 260 x 90	290 x 260 x 90	290 x 260 x 90	470 x 170 x 165	470 x 170 x 165
Weight appr.	1.0kg	1.0kg	2.5kg	2.5kg	2.8kg	2.8kg	2.9kg	2.9kg	4.9kg	4.9kg	8.5kg	8.5kg
Sterling Fuse Type	GAMT60A	GAMT30A	GANL100A	GAMT50A	GANL100A	GAMT50A	GANL200A	GANL100A	GANL250A	GANL150A	GANL400A	GANL250A

Warning

When installed in vehicles or boats, the inverter must be connected to the chassis or ground (ground terminal)!

Never use the inverter on vehicles where the positive terminal of the battery is connected to the chassis!

STERLING POWER PRODUCTS LTD

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