

Pure Sine Wave Inverter 12V DC 1000W RCD



12V compatibility producing 230V AC Pure Sine Wave with 1000W of power

Will work with all 12V vehicles to produce 230V mains power with 1000W of power for all electronic devices including sensitive devices, for remote working



1. 2000W peak power rating. 2. RCD Protected

1. To handle large power loads when initially starting an electrical device. Will drop back down to 1000W continuous supply. 2. The integral Residual Current Device (RCD) replaces the need for an external RCD and will switch off the inverter in the event a fault is detected between live and earth. This protects the user against electric shocks.



2.1A USB Charging port

To charge mobile phones or smaller electronic devices at the same time as using the main power supply from the inverter.



Low battery alarm at 10V and low battery shutdown at 9.5V

Low battery alarm to alert operators to the fact that their vehicle battery is being drained and should stop using the inverter. When a vehicle's battery drops below 9.5V the inverter will switch off to preserve the vehicle battery to allow the vehicle to restart.

High-quality inverters for off-grid power needs

OSRAM POWERinvert PRO is an extensive range of professional heavy duty inverters for remote working. Available in either Pure Sine Wave or Modified Sine Wave for both 12V and 24V applications. OSRAM POWERinvert Pro inverters take the 12V or 24V DC vehicle electrical supply and invert into 230V AC mains power to run and operate electrical equipment from service vehicles. Pure Sine Wave Inverters produce a sine wave with the same frequency as mains power, with no distortion, to power sensitive electronics. Modified Inverters have distorted frequency, meaning they will power less complicated products such as fridges and power tools.



Product family datasheet

Technical data

| Product description | Product information | Electrical Data | | |
|--------------------------------------|---------------------|--------------------------|-----------|--|
| | Number Of Phases | Input voltage range | Peak Amps | Continuous Power Rating (up to 12 hours) |
| Pure Sine Wave Inverter 12V DC 1000W | Single | (12V NOM) 9.5 V - 16.5 V | 196 | 1000 W |

| Product description | Output voltage | No Load Current | Peak Power Rating (up to 200ms) | Input Current |
|--------------------------------------|----------------|-----------------|---------------------------------|---------------|
| Pure Sine Wave Inverter 12V DC 1000W | 200 - 240 Vrms | < 1.6 A | 2 * rated power for 0.2s | 98 A |


| Product description | Physical Attributes & Dimensions | Dimensions & weight | Lifetime Data | Programmable features |
|--------------------------------------|----------------------------------|----------------------------|---------------|-----------------------|
| | Height | Input Cable Gauge / Length | Guarantee | Thermal Protection |
| Pure Sine Wave Inverter 12V DC 1000W | 120.0 mm | 600mm, 4AWG | 2 years | Yes |

| Product description | Certificates & standards | Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | | |
|--------------------------------------|--------------------------|---|----------------------------|----------------------------|
| | Standards | Date of declaration | Primary article identifier | Candidate list substance 1 |
| Pure Sine Wave Inverter 12V DC 1000W | CE / E- Mark | 26-06-2024 | 4052899631052 | Lead |

| Product description | CAS No. of substance 1 | Safe use instruction | Declaration no. in SCIP database |
|--------------------------------------|------------------------|--|--------------------------------------|
| Pure Sine Wave Inverter 12V DC 1000W | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 9e846697-405f-491f-89e4-422d421b831b |

Product family datasheet

Download Data

| File | |
|---|---|
|  | User instruction POWERinvert PRO Pure Sine Wave Inverter |

Safety advice

Tested and certified to the relevant EMC and LVD Directives.

Legal advice

CE Approved

Application advice

For more detailed application information and graphics please see product datasheet.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.