

## 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 datasheet

## Technical data

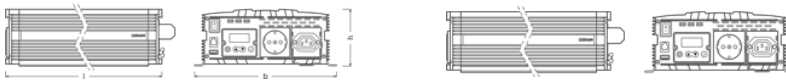
### Product information

|                  |        |
|------------------|--------|
| Number Of Phases | Single |
|------------------|--------|

### Electrical data

|  |                          |
|--|--------------------------|
| Input voltage range                      | (12V NOM) 9.5 V - 16.5 V |
| Peak Amps                                | 196                      |
| Continuous Power Rating (up to 12 hours) | 1000 W                   |
| Output voltage                           | 200 - 240 Vrms           |
| No Load Current                          | < 1.6 A                  |
| Peak Power Rating (up to 200ms)          | 2 * rated power for 0.2s |
| Input Current                            | 98 A                     |

### Dimensions & weight



|                            |             |
|----------------------------|-------------|
| Height                     | 120.0 mm    |
| Input Cable Gauge / Length | 600mm, 4AWG |

### Lifespan

|           |         |
|-----------|---------|
| Guarantee | 2 years |
|-----------|---------|

### Additional product data

|                       |                     |
|-----------------------|---------------------|
| Battery Connection    | Terminal Nut & Bolt |
| Operating Temperature | -25 +45 °C          |
| Efficient at 75% load | 90 %                |
| Low Battery Alarm     | Yes                 |
| Low Battery Shutdown  | Yes                 |
| Output Waveform       | Pure Sine           |
| Output Frequency      | 50 or 60 Hz         |

## Product datasheet

|                           |         |
|---------------------------|---------|
| Power Saving Mode         | Yes     |
| Power Saving Mode Current | < 0.2 A |

### Programmable features

|                    |     |
|--------------------|-----|
| Thermal Protection | Yes |
|--------------------|-----|

### Certificates & standards

|           |              |
|-----------|--------------|
| Standards | CE / E- Mark |
|-----------|--------------|

### Environmental information


| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |  |
|---|--|
| Date of Declaration   | 07-03-2024   |
| Primary Article Identifier  | 4052899631052  |
| Candidate List Substance 1  | Lead   |
| CAS No. of substance 1  | 7439-92-1  |
| Safe Use Instruction  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| Declaration No. in SCIP database                                      | 9e846697-405f-491f-89e4-422d421b831b   |

### Logistical Data

| Product code  | Product description                  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|--------------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899631052 | Pure Sine Wave Inverter 12V DC 1000W | Folding carton box<br>1      | 496 mm x 283 mm x 154 mm             | 21.62 dm <sup>3</sup> | 4835.00 g    |
| 4062172322195 | Pure Sine Wave Inverter 12V DC 1000W | Shipping carton box<br>1     | 509 mm x 267 mm x 176 mm             | 23.92 dm <sup>3</sup> | 5385.00 g    |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

### Download Data

| File  |
|---|
|  User instruction<br>POWERinvert PRO Pure Sine Wave Inverter |

### Safety advice

## Product datasheet

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.

The OSRAM logo is displayed in a bold, orange, sans-serif font.