

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
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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	3 years
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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
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Certificates & standards

Standards	CE / E- Mark
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Environmental information


Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	23-02-2023
Primary Article Identifier	4052899631052
Declaration No. in SCIP database	In work

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 1	496 mm x 283 mm x 154 mm	21.62 dm ³	4835.00 g
4062172298803	Pure Sine Wave Inverter 12V DC 1000W	Shipping carton box 2	509 mm x 297 mm x 336 mm	50.79 dm ³	10480.00 g
4062172322195	Pure Sine Wave Inverter 12V DC 1000W	Shipping carton box 1	509 mm x 267 mm x 176 mm	23.92 dm ³	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 POWERinvert PRO Pure Sine Wave Inverter

Safety advice

Tested and certified to the relevant EMC and LVD Directives.

Product datasheet

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.