SINUS 500/1000 12/230V (500W/1000VA) VOLTAGE INVERTER

REGULAR RANGE

PRODUCT CODE
3SIP090012

EAN
5903293765609

CATEGORY
Voltage inverters

SUBCATEGORY
SINUS 12/24VDC > 230VAC voltage inverters

PRODUCT PAGE
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ABOUT THE PRODUCT

The SINUS 500/1000 12/230V (500W/1000VA) inverter is used to power electrical devices requiring 230V AC voltage from batteries and automotive systems with 12V DC voltage. It is suitable for vehicles and locations without direct access to the power grid.

The device generates a pure sine wave output voltage, identical to that of the power grid. This allows it to power inductive devices, including power tools, air compressors, air conditioners, refrigerators, freezers and central-heating pumps.

The inverter can also power consumer electronics and audiovisual equipment, LED lighting, home automation and smart home devices, household appliances, as well as motors for automatic gates and lifts. It is equipped with a USB socket and short-circuit, thermal, undervoltage, overvoltage and overload protection.

VOLT POLSKA Sp. z o.o.

ul. Świemirowska 3, 81-877 Sopot
NIP 5851458032 | REGON 221142660
KRS 0000372066

voltpolska.pl
(58) 500-85-62
hurt@voltpolska.pl
pomoc@voltpolska.pl

GENERATED: 2026-10-30 16:04

TECHNICAL SPECIFICATIONS

Electrical specifications	**Total power (instantaneous)**	1000 VA (1000 W)
	Continuous power	500 W
	Battery voltage	12 V
	Input voltage	10,5 V - 15,5 V
	Output voltage	225 V - 235 V AC
	Output voltage frequency	50 Hz ±2 Hz
	Undervoltage protection activation threshold	10,7 V ±0,3 V
	Efficiency at full load	~92%
	Output voltage waveform	Pure sine wave (identical to that of the power grid)
	No-load consumption	300 mA
	USB socket	Yes
Functions and Protections	**Built-in protection**	Short-circuit, thermal (cut-off at approx. 60°C - 70°C), undervoltage, overvoltage, overload
	Alarm indications (audible signals)	2 (low-voltage alarm), 3 (undervoltage cut-off), 4 (overvoltage cut-off), 5 (overheating), 6 (overload)
	Intended application	Powering inductive and capacitive devices (e.g. motors, central-heating pumps, household appliances, power tools) in an islanded system
Dimensions and Operating Environment	**Permissible operating temperature**	0°C to 40°C
	Device dimensions	24 x 11 x 6,3 cm
	Net weight	1,2 kg
	Individual package dimensions	28 x 15 x 6,5 cm
	Individual package weight	1,5 kg

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PRODUCT GALLERY













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