SINUS ECO 5000 24/230V (2500W/5000VA) VOLTAGE INVERTER

DISCONTINUED

PRODUCT CODE
3SIPS50002

EAN
5904100450701

CATEGORY
Voltage inverters

SUBCATEGORY
SINUS ECO 12/24VDC > 230VAC voltage inverters

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ABOUT THE PRODUCT

SINUS ECO 5000 24/230V (2500W/5000VA) is an electronic voltage inverter designed to power devices requiring 230V AC voltage from batteries and 24V automotive electrical systems. It is suitable for vehicles, including motorhomes, as well as locations without direct access to the power grid.

Thanks to the use of a pure sinusoidal output voltage waveform, the inverter can power inductive devices such as power tools, air compressors, air conditioners, refrigerators and freezers. It is also suitable for powering consumer electronics, LED lighting, home automation systems, household appliances and central-heating pumps.

The device enables the connection of photovoltaic panels via a MPPT or PWM voltage controller. The “POWER SAVER” mode helps limit the discharge of connected batteries and can be configured using S1-S3 switches for a load of 5%, 10% or 15%.

The inverter provides a continuous power rating of 2500 W and a peak power rating of 5000 VA (5000 W), as well as a USB 5 V 2,1 A port. The output voltage frequency can be selected as 50 Hz ±2 Hz or, optionally, 60 Hz using switch S4.

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TECHNICAL SPECIFICATIONS

Electrical specifications	**Total power (peak)**	5000 VA (5000 W)
	Continuous power	2500 W
	Battery voltage	24 V
	Input voltage	21 V - 31 V
	Output voltage	220 V - 230 V
	Output voltage frequency	50 Hz ±2 Hz (optionally 60 Hz selected using switch S4)
	Efficiency at full load	~92%
	Undervoltage protection activation threshold	21,4 V ±0,6 V
	Output voltage waveform	Pure sine wave (sinusoidal)
	No-load current	< 0,8 A
	USB port	5 V 2,1 A
Functions and Protections	**Energy-saving mode**	“POWER SAVER” (configurable using S1-S3 switches: 5%, 10%, 15% load)
	LED indicators	STATUS LED (green - normal operation, red - fault/failure) and LOAD LEVEL LED (load level indicator: off, green, orange, red)
	Built-in protections	Short-circuit, thermal, undervoltage, overvoltage and overload protection
	Cooling	Fans
Dimensions and Operating Environment	**Permissible operating temperature**	-10°C to +40°C
	Device dimensions	42,6 x 25,1 x 10,5 cm
	Net weight	6,4 kg
	Individual package dimensions	48,4 x 27,7 x 15 cm
	Individual package weight	7,5 kg

PRODUCT GALLERY









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