SINUS ECO 5000 12/230V (2500W/5000VA) VOLTAGE INVERTER

DISCONTINUED

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3SIPS50001

EAN
5904100450695

CATEGORY
Voltage inverters

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

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ABOUT THE PRODUCT

SINUS ECO 5000 12/230V (2500W/5000VA) is an electronic voltage inverter designed to power electrical devices requiring 230V AC voltage from batteries and 12V automotive electrical systems. It is suitable for vehicles such as motorhomes and for locations without direct access to the power grid.

The inverter generates a pure sine-wave output voltage corresponding to the mains voltage. It enables the power supply of inductive devices, including power tools, air compressors, air conditioners, refrigerators and freezers.

The model enables photovoltaic panels to be connected via the MPPT or PWM voltage controller. It is also equipped with a “POWER SAVER” mode, which helps limit the discharge of connected batteries and extend their service life.

The inverter can power, among others, motorhomes, household appliances and consumer electronics, LED lighting, home automation and smart home devices, power tools and central-heating pumps. It also has a USB 5 V 2,1 A port.

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TECHNICAL SPECIFICATIONS

Electrical specifications	**Total power (peak)**	5000 VA (5000 W)
	Continuous power	2500 W
	Battery voltage	12 V
	Input voltage	10,5 V - 15,5 V
	Output voltage	220 V - 230 V
	Output voltage frequency	50 Hz ±2 Hz (60 Hz optional, selected using S4 switch)
	Efficiency at full load	~92%
	Undervoltage protection activation threshold	10,7 V ±0,3 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 - error/failure) and LOAD LEVEL LED (load level indicator: off, green, orange, red)
	Built-in protections	Short-circuit, thermal (shutdown at approx. 60°C - 70°C), undervoltage, overvoltage, overload
	Cooling	Fans
	Additional functions	Digital display LED displays the output voltage and output power
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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