SINUS ECO 6000 12/230V (3000W/6000VA) VOLTAGE INVERTER

DISCONTINUED

PRODUCT CODE
3SIPS60001

EAN
5903293765661

CATEGORY
Voltage inverters

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

PRODUCT PAGE
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ABOUT THE PRODUCT

The SINUS ECO 6000 12/230V (3000W/6000VA) electronic inverter is designed to supply electrical devices requiring 230V AC voltage from batteries and automotive systems with 12V DC voltage. It is used in vehicles such as motorhomes and in locations without direct access to the power grid.

The device produces a pure sine-wave output voltage, allowing it to supply inductive loads, including power tools, air compressors, air conditioners, refrigerators and freezers. The inverter can also supply consumer electronics, LED lighting, home automation systems, household appliances and central-heating pumps.

The model allows photovoltaic panels to be connected via a MPPT or PWM voltage controller. “POWER SAVER” mode limits the discharge of connected batteries and extends their service life. Its operation can be configured using S1-S3 switches for 5%, 10% or 15% load levels.

The inverter is equipped with a USB 5 V 2,1 A port and undervoltage protection. The output voltage is 220 V - 230 V, and the frequency is 50 Hz ±2 Hz, with 60 Hz selectable using switch S4.

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TECHNICAL SPECIFICATIONS

Electrical specifications	**Total power (□aneous)**	6000 VA (6000 W)
	Continuous power (continuous)	3000 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 (optionally 60 Hz, selected using switch S4)
	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	The digital display LED shows 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	7,7 kg

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PRODUCT GALLERY









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