



SINUS ECO 6000 24/230V (3000W/6000VA) VOLTAGE INVERTER

DISCONTINUEDPRODUCT CODE
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Voltage invertersSUBCATEGORY
SINUS ECO 12/24VDC > 230VAC voltage invertersPRODUCT PAGE
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ABOUT THE PRODUCT

SINUS ECO 6000 24/230V (3000W/6000VA) is an electronic voltage inverter designed to power electrical devices requiring 230V AC voltage from batteries and 24V automotive systems. It is suitable for vehicles such as motorhomes and for locations without direct access to the power grid.

The pure SINUS inverter generates a sinusoidal output voltage waveform suitable for powering inductive devices, including power tools, air compressors, air conditioners, refrigerators and freezers. It can also power consumer electronics, LED lighting, home automation systems, smart home devices, household appliances and central-heating pumps.

The device allows photovoltaic panels to be connected via a voltage controller MPPT or PWM. The "POWER SAVER" mode helps limit the discharge of connected batteries and extend their service life. Its operation can be configured using S1-S3 switches for the load level 5%, 10% or 15%.

The model provides a continuous power rating of 3000 W and a total power rating of 6000 VA (6000 W), as well as a USB 5 V 2,1 A port. A circuit with THD below 2% is responsible for generating a pure sine-wave voltage.

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TECHNICAL SPECIFICATIONS

Electrical specifications	Total power (peak)	6000 VA (6000 W)
	Continuous power	3000 W
	Battery voltage	24 V
	Input voltage	21 V - 31 V
	Output voltage	220 V - 230 V AC
	Output voltage frequency	50 Hz $\pm$ 2 Hz (optional 60 Hz, selected using S4 switch)
	Efficiency at full load	~92%
	Undervoltage protection activation threshold	21,4 V $\pm$ 0,6 V
	Output voltage waveform	Pure sine wave (sinusoidal, THD below 2%)
	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 (shutdown at approx. 60°C - 70°C), undervoltage, overvoltage, overload
	Cooling	Fans
	Additional functions	The digital display LED continuously 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

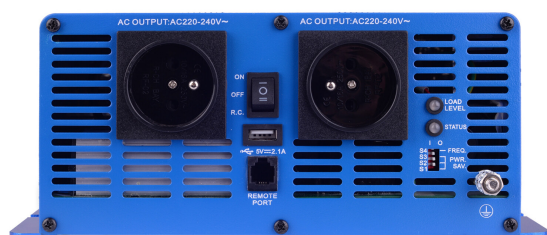
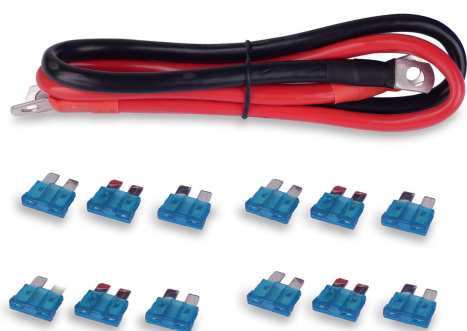
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PRODUCT GALLERY



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PAGE 3 / 3

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