IPS 500/1000W 24/230V (500W/1000VA) VOLTAGE CONVERTER

REGULAR RANGE

PRODUCT CODE
3IPS651024

EAN
5903111886158

CATEGORY
Voltage converters

SUBCATEGORY
IPS voltage converters 12/24VDC > 230VAC

PRODUCT PAGE
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ABOUT THE PRODUCT

The IPS electronic converter 500/1000W 24/230V (500W/1000VA) is designed to supply electrical devices requiring an AC voltage of 230V from batteries and automotive systems with a DC voltage of 24V. It is suitable for vehicles and locations where direct connection to the mains supply is not possible.

The device generates a modified sine wave at the output, i.e. an AC voltage with a rectangular waveform. It can power resistive- loads, such as laptops, chargers, electronic power supplies, electric kettles, televisions, and RTV and audio-video equipment.

The converter is equipped with short-circuit, thermal, undervoltage, overvoltage, and overload protection. Correct operation is indicated by a green LED LED, while a red LED together with an audible signal indicates a system fault, including a short circuit or overload.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Total power (peak)**	1000 VA (1000 W)
	Continuous power	500 W
	Battery voltage	24 V
	Input voltage	21 V - 31 V
	Output voltage	225 V - 235 V AC
	Output voltage frequency	50 Hz ±2 Hz
	Undervoltage protection activation threshold	21,4 V ±0,6 V
	Output voltage waveform	Modified sine wave (rectangular waveform)
	Efficiency at full load	~92%

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TECHNICAL SPECIFICATIONS - CONTINUED

Functions and Protections	**Built-in protections**	Short-circuit, thermal (cut-off at approx. 60°C - 70°C), undervoltage, overvoltage, overload
	Indicators LED	Green LED: correct operation; Red + audible signal: system fault (short circuit, overload)
	Cables included	Depending on the specification (most commonly a cigarette lighter socket cable for this power range)
Application	**Recommended devices**	Resistive- loads (laptops, chargers, electronic power supplies, televisions, RTV equipment, audio-video equipment, low-power electric kettles)
	Contraindications	Do not connect devices with induction motors or transformers (e.g. pumps, power tools) due to the modified sine wave
Dimensions and Operating Environment	**Permissible operating temperature**	-10°C to +40°C
	Device dimensions	176 x 105 x 60 mm
	Net weight	0,656 kg (656 g)
	Individual package dimensions	210 x 140 x 65 mm
	Individual package weight	0,894 kg

PRODUCT GALLERY





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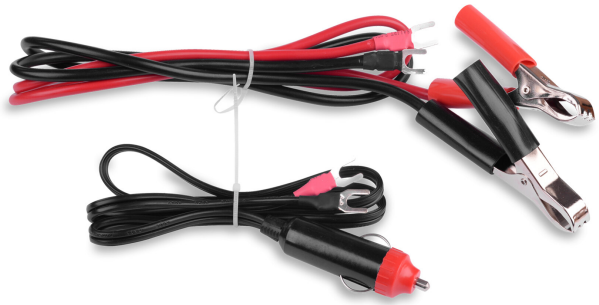
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