IPS 5000 R 24/230V (2500W/5000VA) VOLTAGE CONVERTER

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PRODUCT CODE
3IR500024R

EAN
5904100450633

CATEGORY
Voltage converters

SUBCATEGORY
IPS 12/24VDC > 230VAC voltage converters

PRODUCT PAGE
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ABOUT THE PRODUCT

The IPS 5000 R 24/230V (2500W/5000VA) voltage converter is designed to power electrical devices requiring 230V AC voltage from batteries and automotive electrical systems 24V. It is suitable for vehicles and locations without the possibility of direct connection to the power grid.

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

The converter enables remote switching on and off. It is equipped with protection against deep battery discharge, which disconnects the output when the voltage drops to 19 V ±1 V.

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TECHNICAL SPECIFICATIONS

Electrical specifications	**Total power (instantaneous)**	5000 VA (5000 W)
	Continuous power	2500 W
	Battery voltage	24 V
	Input voltage	21 V - 31 V (power supply operating range: 19 V - 30 V)
	Output voltage	225 V - 235 V AC (or 220 V - 240 V)
	Output voltage frequency	50 Hz ±2 Hz (or 50/60 Hz ±3 Hz)
	Undervoltage alarm activation threshold	21,4 V ±0,6 V / 21 V ±1 V
	Efficiency at full load	~92% (optimal ≥85%)
	No-load current consumption	≤1,35 A
	Output waveform type	Modified sine wave
	USB port	5 V 500 mA or 800 mA (optional)
Protections and functions	**Deep-discharge protection**	Output disconnection when the voltage drops to 19 V ±1 V
	Overcharge protection (overvoltage)	Output cutoff when voltage rises to 30 V ±1 V
	Short-circuit and thermal protection	Yes (automatic shutdown and output cutoff)
	Reverse-polarity protection	Internal replaceable fuses (15A x 10 and 20A x 1)
	Control	Option to connect an optional remote control (with a 5 m cable)
Dimensions and Operating Environment	**Permissible operating temperature**	-10°C to +40°C (optimally 0°C to 40°C)
	Device dimensions	290 x 175 x 145 mm (the table for the R series specifies 32,3 x 22,9 x 10 cm)
	Net weight	3,52 kg (the table for the R series specifies 5,9 kg)
	Individual package dimensions	350 x 220 x 180 mm
	Individual package weight	4,12 kg

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PRODUCT GALLERY









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