SINUS PRO 5000 S 48/230V (3400W/5000VA)+ 60A MPPT (100V) SOLAR INVERTER

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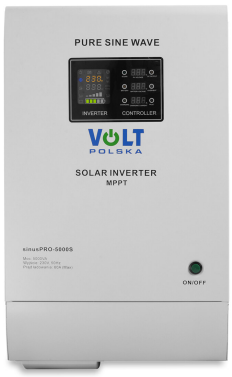
PRODUCT CODE
3SPS500048

EAN
5903111886493

CATEGORY
Solar inverters and energy storage systems

SUBCATEGORY
SINUS PRO S solar inverters

PRODUCT PAGE
voltpolska.pl/produkty/sinus-pro-5000-s-48-230v-3400-5000w...



ABOUT THE PRODUCT

SinusPRO 5000 S 48/230V (3400W/5000VA)+ 60A MPPT (100V) is an emergency power supply designed to power devices requiring 230V AC voltage from 48 VDC batteries. The built-in MPPT solar controller enables the use of solar energy to charge the batteries and power the connected load.

The device is equipped with an automatic AVR mains voltage stabiliser, a mains charger and a pure SINE WAVE converter based on a toroidal transformer. It can operate in UPS mode, providing virtually uninterrupted power to, among other things, blowers, feeders, pumps, central-heating systems and automation systems. The toroidal transformer enables operation with capacitive, inductive and resistive loads and responds flexibly to overloads, including those associated with the starting of pumps, compressors and motors.

SinusPRO 5000 S 48/230V can power consumer electronics, household appliances and office equipment, power tools, pumps and compressors. The colour graphic display and indicator LEDs show the device operating status, including the input and output voltages as well as the battery voltage and charging status. The design includes overload, short-circuit, over-voltage, undervoltage and temperature protections and alarms.

Dedicated VOLT POLSKA DEEP CYCLE AGM or GEL batteries are recommended for operation with the inverter. Car batteries and $LiFePO_4$ batteries must not be used; converters from the SINUS PRO ULTRA series are intended for the latter. Battery selection, installation and system configuration must be entrusted to a qualified renewable energy installer.

TECHNICAL SPECIFICATIONS

General Parameters and Operating Modes	**Continuous power**	3500W
	Total power (instantaneous)	5000VA
	Battery voltage	48 VDC
	Operating modes (priorities)	PV > AC > BAT | AC > PV > BAT | PV > BAT > AC
	Display	Colour graphic display + indicator LEDs

VOLT POLSKA Sp. z o.o.

ul. Świemirowska 3, 81-877 Sopot
NIP 5851458032 | REGON 221142660
KRS 0000372066

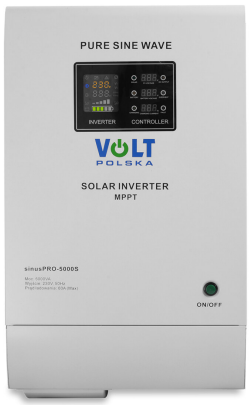
voltpolska.pl
(58) 500-85-62
hurt@voltpolska.pl
pomoc@voltpolska.pl

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TECHNICAL SPECIFICATIONS - CONTINUED

Solar Parameters (MPPT)	**Built-in solar controller**	MPPT-60A
	Maximum PV panel power	5760W
	Panel voltage range (Voc)	48 VDC ~ 100 VDC
	Maximum battery charging current from PV	60A
Input Parameters (Mains)	**Input voltage range**	140 VAC ~ 275 VAC
	Input frequency	45 - 65 Hz
	Mains charging current	10A
	Input power factor	0,98
	Maximum efficiency (mains)	>96%
	Short-circuit protection / overload	Warning until the load is reduced / YES
Output Parameters (AC - Inverter)	**Output voltage range (mains mode)**	190 VAC ~ 245 VAC
	Output voltage range (inverter mode)	230V ± 3%
	Output frequency	50 Hz ± 0.3Hz
	Output power factor	>0.8
	PV-AC transfer time	Typically 4 ms, maximum 6 ms
	Maximum inverter efficiency	>80%
	Overload / Short circuit	110%-150% switches off after 30s, 150%-250% switches off after 15s
Environment and Dimensions	**Operating temperature**	0°C ~ 40°C
	Relative humidity	10% ~ 90% (non-condensing)
	Noise level	<50 dB
	Device dimensions	540 x 330 x 130 mm
	Net weight	25 kg

PRODUCT GALLERY









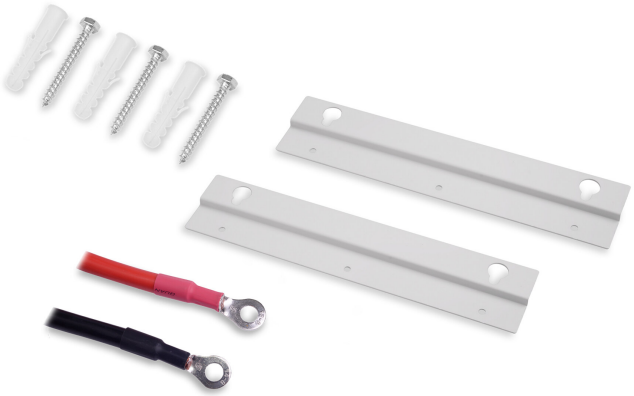
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