SINUS PRO 3000 S 48/230V (2100W/3000VA) + 60A MPPT (100V) SOLAR INVERTER

DISCONTINUED

PRODUCT CODE
3SPS300048

EAN
5903111886448

CATEGORY
Solar inverters and energy storage systems

SUBCATEGORY
SINUS PRO S solar inverters

PRODUCT PAGE
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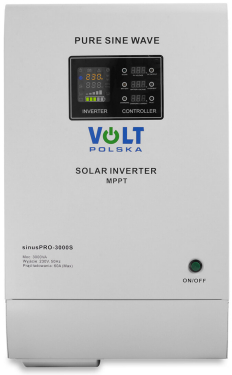

ABOUT THE PRODUCT

SINUS PRO 3000 S 48/230V (2100W/3000VA) + 60A MPPT (100V) is an emergency power supply designed to power devices requiring 230V AC voltage from 48 VDC batteries. The built-in solar controller enables the use of solar energy to charge batteries and power connected loads.

The device is equipped with an inverter generating a pure sine wave voltage, based on a toroidal transformer. This enables it to operate with resistive, inductive and capacitive loads, as well as devices with increased starting current, such as pumps, compressors, refrigerators and power tools. UPS mode ensures virtually uninterrupted operation of connected devices.

SinusPRO 3000S 48V features an automatic AVR mains voltage stabiliser and a mains charger for the battery. The option to connect solar panels enables the use of different operating priorities: PV > AC > BAT, AC > PV > BAT and PV > BAT > AC. The colour graphic display and indicator LEDs provide information on the device operating status, input and output voltage, and battery status.

The power supply supports consumer electronics, household appliances, office equipment, power tools, pumps and compressors. It is equipped with protection devices and alarms against overload, short circuit, excessively high and low voltage, and overheating. The use of lead-acid batteries AGM/Gel designed for standby, cyclic and deep-discharge operation is recommended. Do not connect automotive batteries or LiFePO4; the LiFePO4 battery series is intended for such batteries: Sinus PRO ULTRA by VOLT Polska.

TECHNICAL SPECIFICATIONS

General Parameters and Operating Modes	**Continuous power**	2100W
	Total power (instantaneous)	3000VA
	Battery voltage	48VDC
	Operating modes (Priorities)	PV > AC > BAT | AC > PV > BAT | PV > BAT > AC
	Display	Colour graphic display + indicator LEDs

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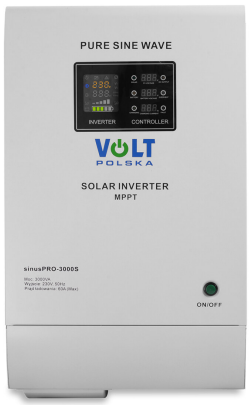
TECHNICAL SPECIFICATIONS - CONTINUED

Solar Parameters (MPPT)	**Panel voltage range (Voc)**	60VDC - 100VDC
	Maximum charging current from panels	60A MPPT
	Maximum efficiency (PV)	>98%
Input Parameters (Mains)	**Input voltage range**	140VAC ~ 275VAC
	Input frequency	45 - 65 Hz
	Output voltage range (mains supply)	190VAC ~ 245VAC
	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 (inverter mode)**	230V ± 3%
	Output frequency	50 Hz ± 0.3Hz
	Output power factor	>0.8
	Distortion	<3% under load
	PV switching time-AC	Typically 4ms, maximum 6 ms
	Maximum inverter efficiency	>80%
	Overload / Short circuit	110%-130% switches off after 30s, 130%-150% switches off after 3s (automatic shutdown)
Environment and Dimensions	**Relative humidity**	10% - 90% (non-condensing)
	Noise level	<50dB
	Device dimensions	540 x 330 x 130 mm
	Net mass	20,5 kg

PRODUCT GALLERY









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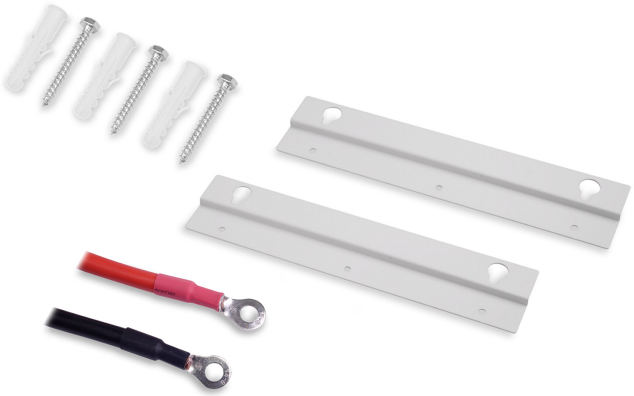



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