POWER SINUS 3000 48/230V (3000W/9000VA) EMERGENCY POWER SUPPLY

REGULAR RANGE

PRODUCT CODE
3SSP300048

EAN
5904100450275

CATEGORY
Emergency power supply

SUBCATEGORY
POWER SINUS emergency power supplies (high-power)

PRODUCT PAGE
voltpolska.pl/produkty/power-sinus-3000-48230v-30009000-z...



ABOUT THE PRODUCT

Power Sinus 3000 48V is an emergency power supply combining the functions of an inverter, charger and automatic AC transfer switch. The device operates as a UPS power supply with a Pure sine wave output, ensuring stable voltage and high starting current. It enables the connection of various types of batteries with a voltage of 48V.

The power supply is intended to power, among other things, refrigerators, freezers, compressors and air compressors, motorhomes, pumps and central-heating furnaces, gates and solar systems. Thanks to the sinusoidal output voltage waveform, it can also power inductive devices such as power tools, air conditioners, compressors, refrigerators and freezers.

The device is equipped with overload, thermal, low-voltage, short-circuit and battery overcharge protection. The maximum switching time between the mains and the battery is 10 ms.

TECHNICAL SPECIFICATIONS

General Parameters	**Continuous power**	3000W
	Total power (instantaneous)	9000VA
	Power factor	0.8 - 1.0 cos φ
	Efficiency	Up to 88% (in inverter mode) / >95% (in mains mode)
	Mains/battery transfer time	10 ms (max)
Input Parameters (Mains)	**Input voltage range (mains)**	184 - 254 VAC (Narrow - SW2 pos. 0) / 140 - 270 VAC (Wide - SW2 pos. 1)
	Input frequency range	Narrow: 47-55 Hz / Wide: 43-55 Hz

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TECHNICAL SPECIFICATIONS - CONTINUED

Output Parameters (AC)	**Output voltage**	230V
	Output voltage frequency	50 ± 0,3Hz
	Output voltage waveform	Pure sine wave
	Harmonic distortion (THD)	< 10%
Battery and Charging	**Battery voltage**	48 VDC
	Input voltage range (battery)	42V - 60V ± 0,5VDC
	Max. charging current	25 ± 5A
	Supported battery types (charging modes for 48V)	1. U.S. Gel A. — 56.0V / 54.8V
Bypass and Protections	**Input voltage waveform**	Sine wave (mains or generator)
	Undervoltage cutoff	184V / 154V ±4%
	Undervoltage activation	194V / 164V ±4%
	Overvoltage cutoff	253V ±4%
	Overvoltage activation	243V ±4%
	Protection	Short-circuit protection (with current limiter function after 1s), overload, overvoltage and undervoltage protection
General Data and Installation	**Operating temperature**	from -20°C to 40°C; (above 40°C, the load must be reduced; maximum temperature 50°C)
	Humidity	< 95%, non-condensing
	Mounting	Wall-mounted or horizontal installation
	Device dimensions	505,3 x 221,6 x 178,9 mm
	Net weight	21 kg ±3%
	Individual package dimensions	670 x 320 x 310 mm
	Unit packaging weight	23 kg ±3%

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PRODUCT GALLERY









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