POWER SINUS 3000 12/230V (3000W/9000VA) BACKUP POWER SUPPLY

REGULAR RANGE

PRODUCT CODE
3SSP300012

EAN
5903111886684

CATEGORY
Backup power supply

SUBCATEGORY
POWER SINUS backup power supplies (high-power)

PRODUCT PAGE
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ABOUT THE PRODUCT

Power Sinus 3000 12/230V (3000W/9000VA) is a backup power supply combining the functions of an inverter, charger and automatic AC switch. The device operates as a UPS power supply with a pure sine wave output voltage, providing stable power supply and very high starting current.

The power supply is designed to operate with various types of batteries with a voltage of 12V. It can power refrigerators, freezers, compressors and air compressors, motorhomes, pumps and central heating boilers, gates and solar systems, among other devices. The pure sine wave enables the power supply of inductive devices such as power tools, air compressors, air conditioners, refrigerators and freezers.

Power Sinus 3000 is equipped with overload, short-circuit, overtemperature, undervoltage and battery overcharge protection.

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 mode - SW2 pos. 0) / 140 - 270 VAC (Wide mode - SW2 pos. 1)
	Input frequency range	Narrow: 47-55 Hz / Wide: 43-55 Hz

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GENERATED: 2026-11-10 15:00

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**	12 VDC
	Input voltage range (battery)	10,5V - 15V ± 0,5VDC
	Max. charging current	85 ± 5A
	Supported battery types (charging modes)	1. Gel U.S.A. — 14.0V / 13.7V
Bypass and Protection	**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), pre-overcharge, 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	21,5 kg ±3%
	Individual packaging dimensions	670 x 320 x 310 mm
	Unit packaging weight	23,5 kg ±3%

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PRODUCT GALLERY











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