POWER SINUS 3000 24/230V (3000W/9000VA) BACKUP POWER SUPPLY

REGULAR RANGE

PRODUCT CODE
3SSP300024

EAN
5904100450015

CATEGORY
Backup power supply

SUBCATEGORY
POWER SINUS backup power supplies (high power)

PRODUCT PAGE
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ABOUT THE PRODUCT

The POWER SINUS 3000 24/230V (3000W/9000VA) backup power supply combines the functions of an inverter, charger and automatic AC transfer switch. It is designed to operate as a UPS power supply with a Pure sine wave voltage waveform, providing stable power supply and high starting current.

The device is compatible with various types of batteries with a voltage of 24V. It can supply power to refrigerators, freezers, compressors and air compressors, motorhomes, pumps and central heating boilers, gates and solar systems, among others.

The output sine waveform corresponds to the voltage available from the mains power supply, enabling the power supply to operate with inductive devices such as power tools, air compressors, air conditioners, refrigerators and freezers.

The POWER SINUS 3000 is equipped with overload, thermal, undervoltage and short-circuit protection, as well as protection against battery overcharging.

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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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**	24 VDC
	Input voltage range (battery)	21V - 30V ± 0,5VDC
	Max. charging current	45 ± 5A
	Supported battery types (charging modes)	1. Gel U.S.A. — 14.0V / 13.7V
Bypass and Protections	**Input voltage waveform**	Sine wave (mains or generator)
	Undervoltage cut-off	184V / 154V ±4%
	Undervoltage start-up	194V / 164V ±4%
	Overvoltage cut-off	253V ±4%
	Overvoltage start-up	243V ±4%
	Protection	Short-circuit protection (with current limiter function after 1s), 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 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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