POWER SINUS 5000 24/230V (5000W/15000VA) EMERGENCY POWER SUPPLY

REGULAR RANGE

PRODUCT CODE
3SSP500024

EAN
5904100450039

CATEGORY
Emergency power supply

SUBCATEGORY
POWER SINUS emergency power supplies (high power)

PRODUCT PAGE
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ABOUT THE PRODUCT

POWER SINUS 5000 24/230V (5000W/15000VA) EMERGENCY POWER SUPPLY is a device combining 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 output, ensuring stable voltage and the ability to power devices requiring a high starting current.

The power supply is compatible with various types of batteries with a voltage of 24V. It can power refrigerators, freezers, compressors and air compressors, motorhomes, pumps and central heating boilers, gates and solar systems, among other devices. Due to the sinusoidal output voltage waveform, it is also suitable for inductive devices such as power tools, air conditioners and compressors.

The device is equipped with overload, short-circuit, overtemperature, low-voltage and battery overcharge protection. The power supply belongs to the emergency power supply category and is intended for installations with a 24 VDC battery.

TECHNICAL SPECIFICATIONS

General parameters	**Continuous power**	5000W
	Total power (instantaneous)	15000VA
	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

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	70 ± 5A
	Supported battery types (charging modes for 24V)*	1. Gel U.S.A. — 28.0V / 27.4V
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), 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 placed horizontally
	Device dimensions	597 x 222,4 x 180,6 mm
	Net weight	28 kg ±3%
	Individual package dimensions	755 x 315 x 310 mm
	Unit package weight	30,5 kg ±3%

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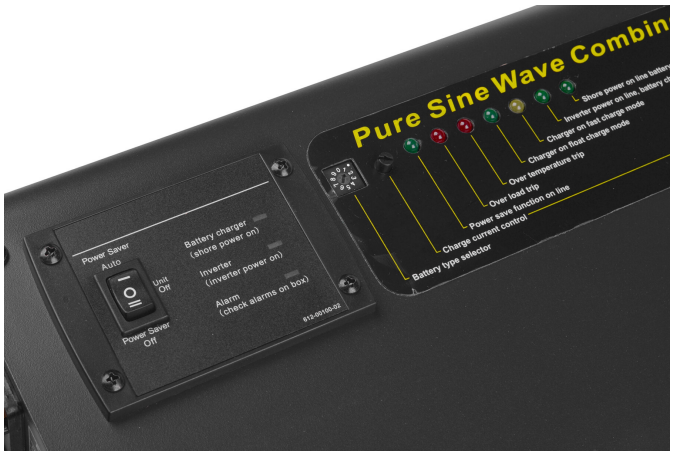
PRODUCT GALLERY











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