POWER SINUS 2000 24/230V (2000W/6000VA) BACKUP POWER SUPPLY

REGULAR RANGE

PRODUCT CODE
3SSP200024

EAN
5903111886677

CATEGORY
Backup power supply

SUBCATEGORY
POWER SINUS backup power supplies (high power)

PRODUCT PAGE
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ABOUT THE PRODUCT

Power Sinus 2000 24/230V (2000W/6000VA) 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 voltage waveform, providing stable power and high starting current.

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

Thanks to its sinusoidal output voltage waveform, like that of the mains supply, the device can power inductive loads, including power tools, air compressors, air conditioners, refrigerators and freezers.

The power supply is equipped with overload, thermal, low-voltage, short-circuit and battery overcharge protection.

TECHNICAL SPECIFICATIONS

General Parameters	**Continuous power**	2000W
	Total power (instantaneous)	6000VA
	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	30 ± 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 cut-off	184V / 154V ±4%
	Undervoltage activation	194V / 164V ±4%
	Overvoltage cut-off	253V ±4%
	Overvoltage activation	243V ±4%
	Protection	Short-circuit protection (with current limiter function after 1s), protection against overcharging, overvoltage and undervoltage
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	22 kg ±3%
	Individual package dimensions	670 x 320 x 310 mm
	Unit package weight	24 kg ±3%

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PRODUCT GALLERY









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