POWER SINUS 10000 48/230V (10000W/30000VA) EMERGENCY POWER SUPPLY

REGULAR RANGE

PRODUCT CODE
3SSP900048

EAN
5903111886790

CATEGORY
Emergency power supply

SUBCATEGORY
POWER SINUS emergency power supplies (high power)

PRODUCT PAGE
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ABOUT THE PRODUCT

POWER SINUS 10000 48/230V (10000W/30000VA) EMERGENCY POWER SUPPLY is a device combining the functions of an inverter, charger and automatic AC switch. It is primarily intended to operate as a UPS power supply with a Pure Sine Wave voltage waveform, providing stable power supply and high starting current.

The device enables connection of various types of batteries with a voltage of 48V. It can power refrigerators, freezers, compressors and air compressors, motorhomes, pumps and central-heating boilers, gates and solar systems, among other devices.

The power supply generates a sinusoidal voltage waveform at the output, the same as that of the mains supply, enabling operation with inductive devices such as power tools, air compressors, air conditioners, refrigerators and freezers.

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

TECHNICAL SPECIFICATIONS

General Parameters	**Continuous power**	10000W
	Total power (instantaneous)	30000VA
	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
	Total harmonic distortion (THD)	< 10%
Battery and Charging	**Battery voltage**	48 VDC
	Input voltage range (battery)	42V - 60V ± 0,5VDC
	Max. charging current	80 ± 5A
	Supported battery types (charging modes for 48V)*	1. Gel U.S.A. — 56.0V / 54.8V
Bypass and Protections	**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), 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	588 x 415 x 200 mm
	Net weight	68 kg ±3%
	Individual package dimensions	754 x 540 x 390 mm
	Unit packaging weight	76,3 kg ±3%

PRODUCT GALLERY



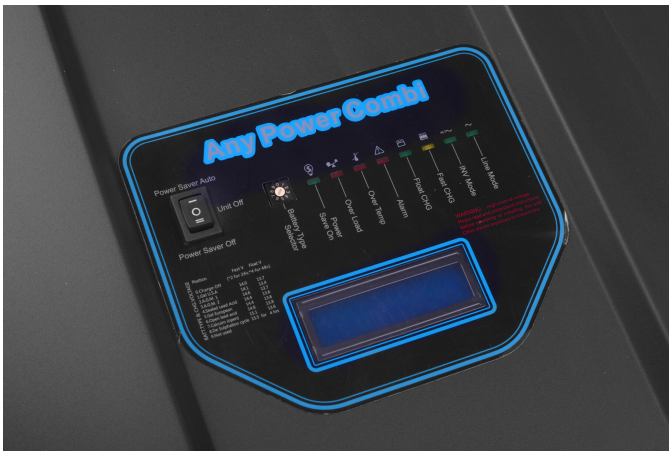






PRODUCT GALLERY - CONTINUED





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