POWER SINUS 6000 48/230V (6000W/18000VA) EMERGENCY POWER SUPPLY

REGULAR RANGE

PRODUCT CODE
3SSP600048

EAN
5904100450053

CATEGORY
Emergency power supply

SUBCATEGORY
POWER SINUS emergency power supplies (high power)

PRODUCT PAGE
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ABOUT THE PRODUCT

Power Sinus 6000 48/230V (6000W/18000VA) is an emergency power supply combining the functions of an inverter, charger and automatic AC transfer switch. The device is designed to operate as a UPS power supply with a Pure sine wave output, providing stable voltage and the ability to power devices requiring high starting current.

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

The device is equipped with overload, thermal, low-voltage, short-circuit and battery overcharge protection. The Pure sine wave allows power supply to inductive devices such as power tools, air compressors, air conditioners, refrigerators and freezers.

TECHNICAL SPECIFICATIONS

General Parameters	**Continuous power**	6000W
	Total power (momentary)	18000VA
	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**	48 VDC
	Input voltage range (battery)	42V - 60V ± 0,5VDC
	Max. charging current	60 ± 5A
	Supported battery types (charging modes for 48V)*	1. U.S. gel 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	**Mounting**	Wall-mounted or horizontal installation
	Device dimensions	597 x 222,4 x 180,6 mm
	Net weight	32 kg ±3%
	Individual package dimensions	755 x 315 x 310 mm
	Individual package weight	34,5 kg ±3%

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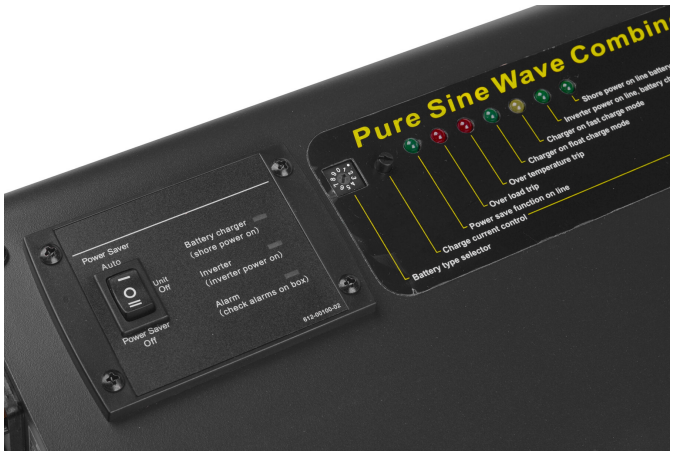
PRODUCT GALLERY











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