SINUS PRO 2500 W 24/230V (1800W/2500VA) EMERGENCY POWER SUPPLY [AGM, GEL]

REGULAR RANGE



PRODUCT CODE
3SP250024W

EAN
5903111886394

CATEGORY
Emergency power supply

SUBCATEGORY
SINUS PRO W emergency power supplies (wall-mounted, AGM/GEL)

PRODUCT PAGE
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ABOUT THE PRODUCT

SINUS PRO 2500 W 24/230V (1800W/2500VA) EMERGENCY POWER SUPPLY [AGM, GEL] is an OFF-GRID-type power supply designed to provide uninterruptible power to computers, servers, computer systems, and devices equipped with motors and other inductive loads. W the event of a power failure from the 230VAC mains or photovoltaic system, it automatically switches to battery operation, enabling the connected devices to continue operating and reducing the risk of data loss.

The device is equipped with a pure sine wave inverter based on a toroidal transformer, which compensates for the varying reactive power of loads and responds flexibly to overloads, including during the start-up of pumps, compressors, and motors. The inverter can operate in UPS mode, ensuring virtually uninterrupted operation of blowers, feeders, pumps, central-heating systems, and control systems.

The built-in automatic AVR voltage stabiliser and mains charger enable voltage stabilisation and charging of the connected battery. The LCD display shows the key operating parameters, including input and output voltage, as well as the battery voltage and charge level. The power supply has a compact, robust enclosure, along with overload, short-circuit, over- and undervoltage, and temperature protections and alarms.

The use of dedicated lead-acid batteries AGM/Gel designed for standby, cyclic, and deep-discharge operation is recommended. Do not connect automotive batteries or LiFePO4. For operation with LiFePO4 batteries, the Sinus PRO ULTRA series from VOLT Polska is recommended.

TECHNICAL SPECIFICATIONS

General Specifications	Total power (instantaneous)	2500VA
	Rated power (continuous)	1800W
	Charging current (no load)	Over 1A
	No-load current (battery operation)	< 1A
	Efficiency	92% (± 5% depending on the load)
	Mains/battery transfer time	≤ 4ms
Input Specifications (Mains)	Input voltage	170-270 VAC
	Input frequency	45~65 Hz
Output Specifications (AC)	Output voltage	230 VAC ±1% in battery mode / 230 VAC ±8% in mains mode with AVR
	Output frequency	50 Hz ± 0,5 Hz
	Output voltage waveform	Pure sine wave
	Waveform distortion (THD)	< 3%
Battery and Charging	Battery	Not included
	Battery voltage	24 VDC
	Maximum charging current	20A
Protections and Functions	Protection	Overload, thermal, overvoltage and undervoltage, battery over-discharge, short-circuit, overcharge protection
	Priority selection button (mains/battery)	YES
Dimensions/Weight	Device dimensions	312 x 310 x 167 mm
	Net weight	12 kg
	Individual package dimensions	405 x 385 x 250 mm
	Individual package weight	13,5 kg

PRODUCT GALLERY













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