SINUS PRO 2400 E PLUS 12/230V (1600/2400W) [AGM, GEL, LiFePO4] BACKUP POWER SUPPLY

REGULAR RANGE

PRODUCT CODE
3SPM24012M

EAN
5904100453559

CATEGORY
Backup power supply

SUBCATEGORY
SINUS PRO E PLUS backup power supplies (floor-standing, AGM/GEL/LiFePO4)

PRODUCT PAGE
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ABOUT THE PRODUCT

SINUS PRO 2400 E PLUS 12V (1600/2400W) is a UPS backup power supply designed for uninterrupted power supply to installations and devices requiring continuous access to energy. In the event of a mains voltage failure, W 230V automatically switches to battery power.

The device generates a pure sine wave at the output, allowing it to operate with various types of loads, including inductive devices such as central-heating pumps, furnaces, refrigerators and compressors. The built-in AVR stabiliser protects the powered devices against voltage surges.

The power supply is designed to operate with LiFePO4, AGM and GEL batteries. The short switching time of ≤ 4 ms allows the connected devices to continue operating without interruption.

Temperature- and load-dependent fan control reduces noise and energy consumption. The power supply is also equipped with protection against overload, short circuit, excessive discharge, battery overcharging and excessive temperature.

TECHNICAL SPECIFICATIONS

Total power (peak)		2400 VA
Continuous power (constant)		1600 W
Transformer		C.R.G.O transformer
Display		LED (data type: operation, charging, battery)
Mains input	**Voltage**	170-270 Vac
	Frequency	45~65 Hz

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TECHNICAL SPECIFICATIONS - CONTINUED

Inverter output	**Output voltage (inverter mode)**	230 Vac ±3%
	Output voltage (AVR mode)	216 V - 245 V
	Frequency	50/60 Hz ± 0.3Hz
	Voltage waveform (Waveform type)	Pure sine wave
	Waveform distortion	≤ 3%
	Switching time (mains/battery)	≤ 4 ms
Battery and charging	**Battery voltage**	12V DC
	Supported battery types	LiFePO4, AGM, GEL
	Charging voltage	13.9V-14.5V (cyclic) / 13.3V-13.9V (standby)
	Minimum permissible battery voltage	10.5V-11.5V (AGM) / 10.9V-11.5V (LiFePO4)
	Discharge protection activation point	9.8V-11V (AGM) / 10.6V-11V (LiFePO4)
	Available charging current selection	10A / 15A / 20A / 30A / 40A
	Maximum charging current	40A
Protection and environment	**Protection**	Overload, high temperature, high/low output voltage, low battery voltage, short circuit, overcharging, excessive discharge, reverse polarity
	Cooling system	Yes
	Operating temperature	0 - 40°C
	Storage temperature	-15 - 45°C
	Operating humidity	10% ~ 90% RH (non-condensing)
Dimensions and weight	**Net dimensions**	220 x 335 x 230 mm
	Net weight	13 kg
	Gross dimensions (packaging)	395 × 272 × 305 mm
	Gross weight (packaging)	14,5 kg

PRODUCT GALLERY



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