# SINUS PRO 850 E PLUS 12/230V (500W/850VA) BACKUP POWER SUPPLY [AGM, GEL, LIFEPO4]

REGULAR RANGE

PRODUCT CODE
**3SPM08012M**

EAN
**5904100452651**

CATEGORY
**Backup power supply**

SUBCATEGORY
**SINUS PRO E PLUS backup power supplies (standalone, AGM/GEL/LiFePO4)**

PRODUCT PAGE
**voltpolska.pl/produkty/sinus-pro-850-e-plus-12-230v-500-850...**




## ABOUT THE PRODUCT

SINUS PRO 850 E PLUS 12/230V (500W/850VA) is a backup power supply designed for uninterrupted power supply to central heating systems, computers, servers, automatic gates, automation equipment and power tools. W the event of a mains voltage failure, 230VAC automatically switches to battery power, ensuring continued operation of connected devices and protection against data loss.

The device combines the functions of a DC/AC inverter with a pure sine wave, a UPS backup switch, a battery charger and an AVR mains voltage stabiliser. The pure sine wave at the output enables power supply to inductive loads.

The colour display allows monitoring of the key operating parameters, including the power supply, charging and battery status. The power supply is compatible with AGM, GEL and LiFePO4 batteries with a voltage of 12 VDC. The battery is not included.

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| **General Parameters** | **Total power (instantaneous)** | 850VA |
| | **Continuous power** | 500W |
| | **Display** | LED (indications: operation, charging, battery) |
| | **Mains/battery switching time** | ≤ 4ms |
| **Input Parameters (Mains)** | **Input voltage** | 170-270 VAC |
| | **Input frequency** | 45-65 Hz |

## TECHNICAL SPECIFICATIONS - CONTINUED

| | | |
|---|---|---|
| **Output Parameters (AC)** | **Output voltage** | 230 VAC ±3% for inverter / 216-245V for AVR |
| | **Output frequency** | 50/60 Hz ±0.3Hz |
| | **Output voltage waveform** | Pure sine wave |
| | **Waveform distortion (THD)** | ≤ 3% |
| **Battery and Charging** | **Battery** | Not included |
| | **Battery voltage** | 12 VDC |
| | **Max. charging current** | 15A |
| | **Charging current selection** | 3A / 5A / 10A / 15A |
| | **Charging voltage** | 13.9V-14.5V (cyclic) / 13.3V-13.9V (buffer) |
| **Protections and Functions** | **Protection** | Overload, high temperature, high/low output voltage, low battery voltage, short circuit, overcharge, excessive discharge, reverse polarity |
| **Operating Environment** | **Operating temperature** | 0 - 40 °C |
| | **Operating humidity** | 10% ~ 90% RH (non-condensing) |
| | **Storage temperature** | -15 - 45 °C |
| **Dimensions/Weight** | **Device dimensions** | 138 x 226 x 155 mm |
| | **Net weight** | 4,5 kg |
| | **Individual package dimensions** | 285 x 175 x 198 mm |
| | **Individual package weight** | 4,8 kg |

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## PRODUCT GALLERY




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