DATA SHEET

Code: SINUSPRO-800S

OFF-GRID SOLAR INVERTER **SINUSPRO-800S** 800 VA VOLT Polska

The SINUSPRO-800S Solar Inverter is a device that allows the use of solar energy to power devices requiring alternating voltage 230V AC. This device is designed to work in the off-grid system, which means that the power outputs are intended only for direct supply of energy to receivers.

The design of the SINUSPRO-800S inverter allows it to work both as a redundant power source in the event of a power grid failure, and as the main power source for devices supported by an external grid only in the event of a long-term lack of solar energy and battery discharge. High flexibility of operating modes combined with very short switching times allow the device to be used in many situations.

The built-in AVR (Automatic Voltage Regulator) means that the devices powered by the inverter are not exposed to sudden changes or sags of the supply voltage. It is especially important when powering sensitive electronic devices, such as computers, TV sets or electronic controllers, which are more and more often found in various power tools and household appliances.

The built-in toroidal transformer compensates for different reactive power of the receivers (you can combine capacitive, inductive and resistive loads), it reacts very flexibly to overloads, e.g. start-up of pumps, compressors and engines.

Attention! For cooperation with the inverter, it is recommended to use batteries adapted to work in the buffer charging mode and prepared for the possibility of deep discharge. Connecting other types of batteries to the inverter may result in incorrect operation of the inverter or damage to the battery.

Attention! The output part of the AC cabling should never be connected to the mains (this also applies to N and PE cables) or to the generator. Such a connection may cause damage greater than a short circuit in the circuit.

Attention! The inverter should not be used to power life support systems or other medical equipment.



Nominal power:	500 W
Apparent Power:	800 VA
Input voltage:	140 V ... 275 V AC
Input frequency:	45 ... 65 Hz
Output voltage:	230 V AC ± 3 % (Pure Sine Wave)
Output frequency:	50 Hz ± 0.3 Hz
Transfer time:	4 ms (typical), max. 6 ms
Number of outputs:	1 pcs CEE 7/5 , 1 pcs CEE 7/3 (Schuko)

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Voltage of the Solar Panels Section:	15 V ... 50 V DC
Battery Voltage:	12 V
Regulation Type:	MPPT
Battery charging current:	max. 30 A - from solar panels max. 10 A - from the mains
Protections:	• Overvoltage • Short-circuit • Overload protection • Overcharge protection
Operation state indication:	• LED diodes, • Sound signaling
Main features:	• Automatic Voltage Regulator (AVR) • Possibility to work as the main or backup power source for devices • Works only in the off-grid system
Operation temp. / Relative humidity:	0 °C ... 40 °C / 20 ... 90 %
Weight:	6 kg
Dimensions:	271 x 258 x 153 mm
Manufacturer / Brand:	VOLT Polska
Guarantee:	2 years

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