Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.
Only persons who read the user manual may use the device.
The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.
The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.
If the product has defects, it should not be used until it is repaired.
The product is intended for use at home and commercial use and may not be used for other than intended use.
The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.
The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:
1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

Safety measures:
Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.
The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.
Turn off the device before transporting it.
Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.
Attention! We recommend using protections to further protect the device from possible overvoltages in installations. Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.

Proper product disposal:
A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.
To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

It is forbidden to use the device in case its power cord or plug is damaged, the device works incorrectly, was damaged or dropped. A damaged power cord or plug must be replaced with new ones by the manufacturer, personnel of service centre or a person with relevant qualifications in order to avoid the risk of electric shock. We do not recommend repairing the device on one's own for safety reasons.
The device is not intended for operation by persons (including children) with limited physical, sensory or mental capabilities as well as persons inexperienced in operation or not competent to operate of such device, unless the operation is supervised by a person responsible for their safety or in line with instructions for use provided by such person.
It is forbidden to touch the plug with wet hands! Pull the plug, never the cable, to pull out the plug from a socket.
The device is to be used exclusively according to its use described in this manual. Use of accessories not recommended by the manufacturer of the device may cause fire, electric shock or injuries.
Marking of a lightning inside a equilateral triangle signifies presence of dangerous voltage, contained under the cover of the device. It may be dangerous for user's life and health.

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User Manual

Code: SINUSPRO-2500S

OFF-GRID SOLAR INVERTER **SINUSPRO-2500S** 2500 VA VOLT Polska

The SINUSPRO-2500S 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-2500S 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:	1800 W
Apparent Power:	2500 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)
Voltage of the Solar Panels Section:	30 V ... 100 V DC

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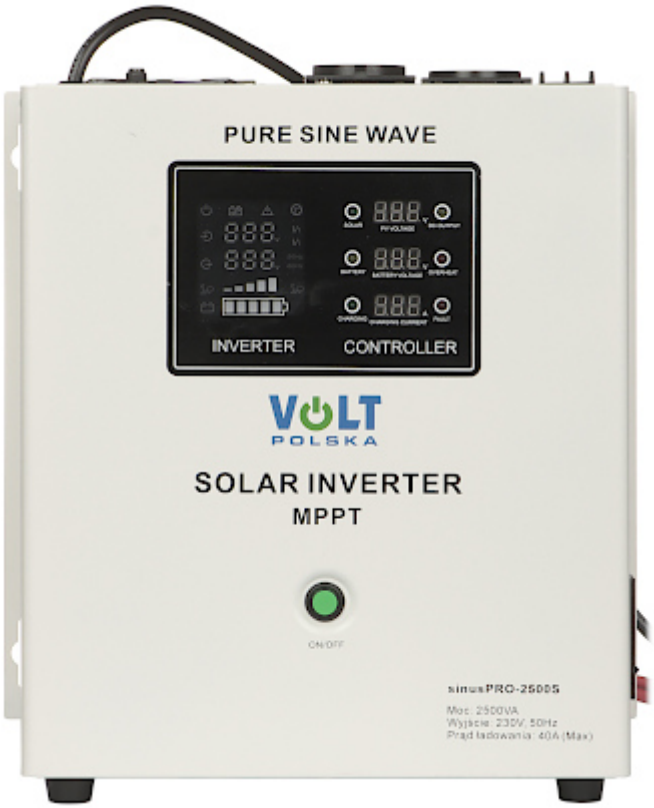
User Manual

Code: SINUSPRO-2500S

OFF-GRID SOLAR INVERTER **SINUSPRO-2500S** 2500 VA VOLT Polska

Battery Voltage:	24 V
Regulation Type:	MPPT
Battery charging current:	max. 40 A - from solar panels max. 20 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 / 10 ... 90 %
Weight:	12.5 kg
Dimensions:	325 x 310 x 170 mm
Manufacturer / Brand:	VOLT Polska
Guarantee:	2 years

Front view:



Rear view:

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Top view:

Side view:

In the kit:

PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg

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