

Code: MPPT-3000/GREENBOOST

## OFF-GRID SOLAR BOOST INVERTER TO POWER HEATING DEVICES **MPPT-3000/GREENBOOST** VOLT Polska

The MPPT-3000/GREENBOOST solar boost inverter is a device that allows the use of solar energy to directly power heating devices (e.g. electric boiler, radiators, heaters, electric mats or underfloor heating). The converter converts the DC voltage obtained from the solar panels into the alternating voltage required to power the devices.

The MPPT-3000/GREENBOOST device is intended only for direct power supply of the receiver, without the possibility of connecting the inverter to the mains or battery. The inverter has two independent outputs that work only sequentially: first, the receiver connected to the primary output is powered, and only when the current consumption is cut off (e.g. by a built-in thermostat) at this output - the power is switched to the secondary output.

**Attention!** Heating devices with electronic control can only be powered from the primary output.



Nominal power:	3000 W
Input voltage:	—
Input frequency:	—
Output voltage:	120 ... 245 V AC (Approximated Sine Wave)
Output frequency:	50 Hz
Transfer time:	—
Number of outputs:	1 pcs CEE 7/3 (Schuko) - 1 output , 1 pcs CEE 7/5 - 2 output
Voltage of the Solar Panels Section:	120 V ... 350 V DC
Battery Voltage:	—
Regulation Type:	MPPT / PWM - selectable by switch
Battery charging current:	—

Protections:	<ul style="list-style-type: none"><li>• Overvoltage</li><li>• Short-circuit</li><li>• Overload protection</li><li>• Thermal protection</li></ul>
Operation state indication:	<ul style="list-style-type: none"><li>• LED diodes,</li><li>• Sound signaling</li></ul>
Main features:	<ul style="list-style-type: none"><li>• Works only in the off-grid system,</li><li>• Only sequential operation of outputs - the voltage is supplied to output 2 only when the current consumption at output 1 is cut off,</li><li>• Maximum total power of connected solar panels : 5000 W</li></ul>
Operation temp:	-25 °C ... 55 °C
Weight:	3.17 kg
Dimensions:	311 x 232 x 140 mm
Manufacturer / Brand:	VOLT Polska
Guarantee:	2 years