GREEN BOOST PRO 5000 SINUS BYPASS (160-500VDC) SOLAR INVERTER

REGULAR RANGE

PRODUCT CODE
3SR3000006

EAN
5904100452859

CATEGORY
Solar inverters and energy storage systems

SUBCATEGORY
GREEN BOOST solar inverters (for water heating, without battery)

PRODUCT PAGE
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ABOUT THE PRODUCT

GREEN BOOST PRO 5000 SINUS BYPASS is used to power heating devices from solar PV panels and the power grid. Thanks to the BYPASS function, it can operate with both a photovoltaic installation and the power grid.

The inverter converts the direct current generated by solar panels into alternating current. It generates an output voltage with a pure sine wave, allowing it to power inductive devices, including high-power tools, air conditioners, refrigerators and freezers.

The device is intended to power electric boilers, heaters, electric heating elements, electric heating mats and underfloor heating. The panels must be connected in series, with a total Voc voltage of up to 500V and an Imp current of 15A.

In W STABLE mode, to obtain a stable output voltage 230V, an open-circuit panel voltage of 400Voc is recommended. The minimum open-circuit voltage of the panels at which 230V is available at the output is 320Voc.

TECHNICAL SPECIFICATIONS

General parameters	**Maximum output load power AC**	5000W
	Operating mode	MPPT / STABLE
	Display	LED
	Cooling	Active fans
Output parameters (AC)	**Output voltage range**	70-245 VAC / 50Hz
	Output voltage type	Pure sine wave
	Output socket	1 pcs. socket / 1 pcs. terminal block

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GENERATED: 2026-10-30 14:56

TECHNICAL SPECIFICATIONS - CONTINUED

Solar panel (PV)	**Maximum PV panel power**	≤ 5000W
	Voc voltage range from panels	160VDC-500VDC
	Maximum DC current from panels (Imp)	15A *(Regulator MPPT will automatically limit the excess current to 15 A, ensuring fully safe operation of the device)
	Solar panel connection	Series
Protection	**Overload protection**	YES
	Short-circuit protection	YES
	Overheating protection	YES (100±10°C)
	Warnings	Audible and visual signals
Operating Environment	**Operating temperature**	-25°C to +55°C
	Storage temperature	-20°C to +55°C
	Ingress protection rating	IP20
Dimensions/Weight	**Device dimensions**	311 x 232 x 140 mm (including MC-4)
	Device weight	5,2 kg
	Individual packaging dimensions	400 x 330 x 205 mm
	Individual packaging weight	6,5 kg

PRODUCT GALLERY





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