



Qoltec Solar Inverter for water heating ECO Solar Boost | MPPT | BYPASS | LCD | 4kW

Product code: 53872

Discover a new dimension in energy efficiency with the Solar boost MPPT water heating inverter with an impressive 4000W output. Ideal for powering a variety of heating systems including electric boilers, radiators and heating mats. The inverter operates over a wide voltage range of 160-350VDC, providing flexibility and compatibility with various solar panel configurations. Thanks to advanced MPPT technology, the inverter ensures maximum utilisation of solar energy. A built-in LCD display allows easy monitoring and management of the system.

CONTINUOUS OPERATION AND COMFORT, REGARDLESS OF WEATHER CONDITIONS



Seamless switching between photovoltaic and mains power supply

Invest in the future with the Qoltec 4000W solar inverter and enjoy energy independence. Thanks to the bypass function, it can be connected to both solar panels and the power grid, ensuring uninterrupted operation of the heating equipment. Thanks to this, users can rest assured that their heating system will operate reliably under all conditions, with no interruptions in heat supply. Your home deserves the best!

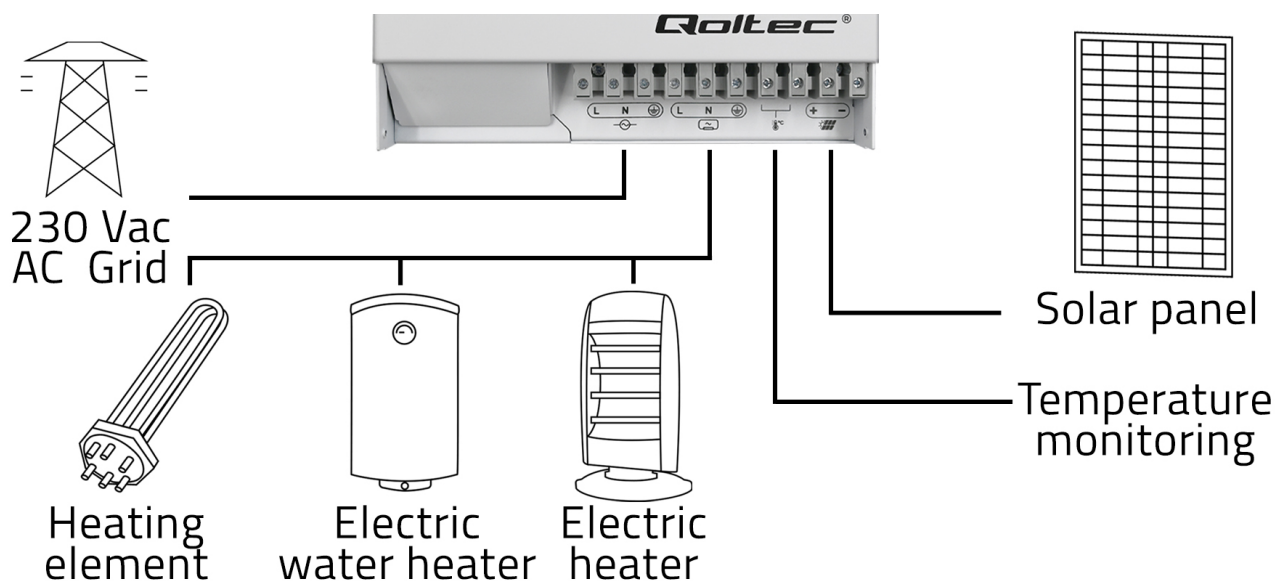
COMFORT AND ECONOMY - MODERN HEATING FOR YOUR HOME !



Why should you choose our inverter?

- Thanks to advanced MPPT technology, the inverter ensures maximum use of solar energy, resulting in lower electricity bills,
- It can be connected to both solar panels and the power grid, e.g. in the event of an energy shortage,
- Ideal for various heating applications, from heating water in boilers to supplying underfloor heating systems,
- Robust design and high quality workmanship guarantee long and trouble-free operation.

GET THE MOST OUT OF MPPT TECHNOLOGY



Lower heating costs and greater energy independence

Our inverter uses MPPT technology to maximise energy efficiency, enabling optimum use of solar energy. In this way, the system continuously monitors and adjusts the voltage and current of the photovoltaic panels, to ensure maximum power point. This is advanced energy management allows the highest possible efficiency to be achieved from solar panels, even under varying weather conditions such as partial shade or changes in the intensity of sunlight.

SOLAR ENERGY IN YOUR HEATING SYSTEM

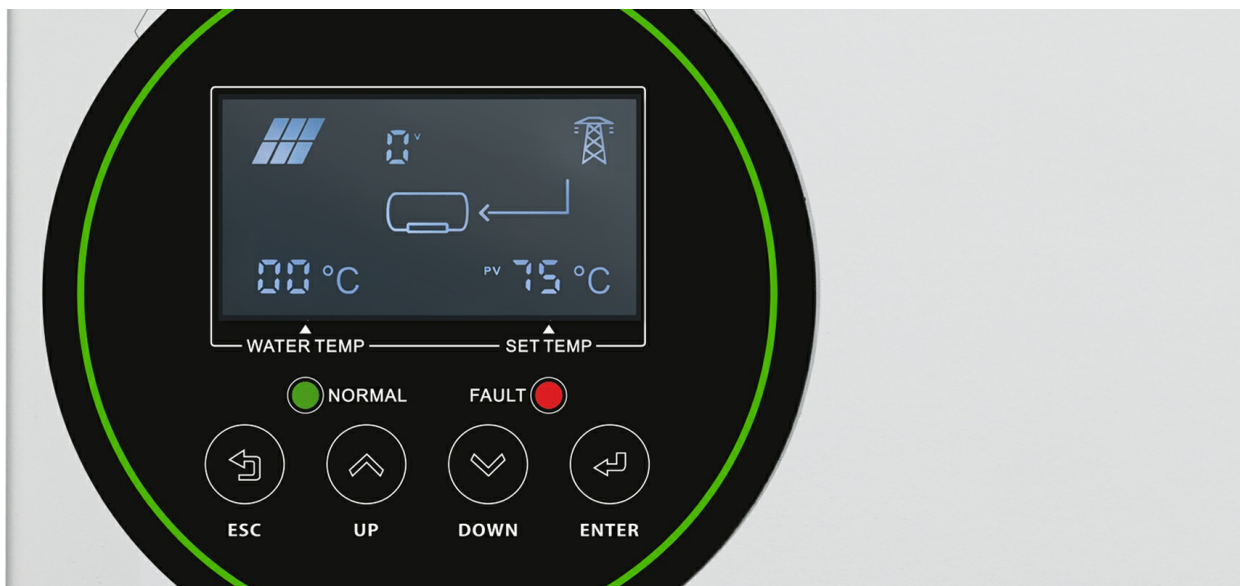


Reliable solution for supplying diverse heating systems

Thanks to its advanced MPPT technology and BYPASS function, the inverter is ideal for :

- **Power supplies for electric boilers**, enabling the heating of domestic water and **electric heaters**, providing warmth throughout the house,
- It will also work in **heating mat systems**, which are used in bathrooms, kitchens or other rooms requiring additional heating,
- Can be used for the **supply of heating systems for swimming pools**, allowing to maintain a comfortable water temperature in an ecological and economical manner,
- Solar energy can be used efficiently to **maintain an optimum floor temperature**, which increases occupant comfort and reduces heating costs.

EASY MONITORING AND CONFIGURATION



Intuitive interface, full control

The solar inverter is equipped with an advanced LCD display that provides users with full control and transparency of system operation. **Intuitive display menu makes it easy to configure and customise inverter settings to suit individual user needs**. The display shows the current operating parameters, allowing the performance of the system to be monitored on an ongoing basis. Users can quickly check the current operating status of the inverter, including the operating mode (MPPT, BYPASS) and information on any errors or alarms.

YOUR SAFETY IS OUR PRIORITY - ADVANCED SECURITY TECHNOLOGIES



Full protection - from overheating protection to short-circuit protection

The product is equipped with a number of safety features to ensure safe and reliable use : **Overvoltage protection:** Prevents damage caused by excessive voltage from photovoltaic panels or the power grid **Short-circuit protection:** Automatically disconnects the system if a short circuit is detected, protecting the equipment and the installation **Protection against overheating:** A built-in temperature monitoring system automatically switches off the inverter if the internal temperature exceeds a safe level **Overload protection:** Prevents damage caused by overloading, ensuring long-term, trouble-free operation of the equipment **Protection against power failure:** The BYPASS function automatically switches power to the grid in the event of a power failure from the PV panels, ensuring uninterrupted system operation

CONFIDENCE CONFIRMED BY A WARRANTY

Product with 24 months guarantee

Do you care about the high quality of the product you are buying? Our solutions will meet your expectations. The inverter we offer is covered by **24 month guarantee** effective from the date of purchase.

TECHNICAL DATA

Producer	Qoltec
Maximum power	4000W
Rated current	20A
Input Voltage Range (PV)	160 ~ 350VDC
Maximum load	230V / 4000W
MPPT operating voltage range	120 ~ 340VDC
MPPT efficiency	>99%
Output voltage	180 ~ 260VAC
Output frequency	50Hz
Display	LCD
Cooling system	Passive
Safety	Short-circuit protection Overheating protection Overload protection Overcharge protection
Usage	Electric boilers Electric heaters Heaters Electric mats Underfloor heating
Additional information	Equipped with a temperature sensor
IP rating	IP33
Operating temperature	-20°C ~ +55°C
Storage temperature	-20°C do +55°C
OTHER PARAMETERS	
Colour	White, green
Material	Aluminium
Dimensions (D/L x W x H)	183 x 195 x 100 mm
Package	Box
Package contents	1 x Solar inverter 1 x Operating instructions 1 x Cable 1 x Warranty card
Package depth / length [mm]	260
Package width [mm]	255
Package height [mm]	160
Net weight [kg]	2.350
Gross weight [kg]	2.900
Certificate	CE
Warranty	24 month
EAN code	5901878538723