

Qoltec Solar Inverter for water heating ECO Solar Boost | MPPT | BYPASS | LCD | 3kW/4kW | Wi-fi

Product code: 53867

Discover a new dimension of energy efficiency with the Solar boost MPPT water heating inverter with an impressive 3000W output. Ideal for powering a variety of heating systems, including electric boilers, heaters and heating mats. The inverter operates over a wide voltage range of 110-300VDC, providing flexibility and compatibility with various solar panel configurations. With advanced MPPT technology, the inverter ensures maximum utilization of solar energy. The 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

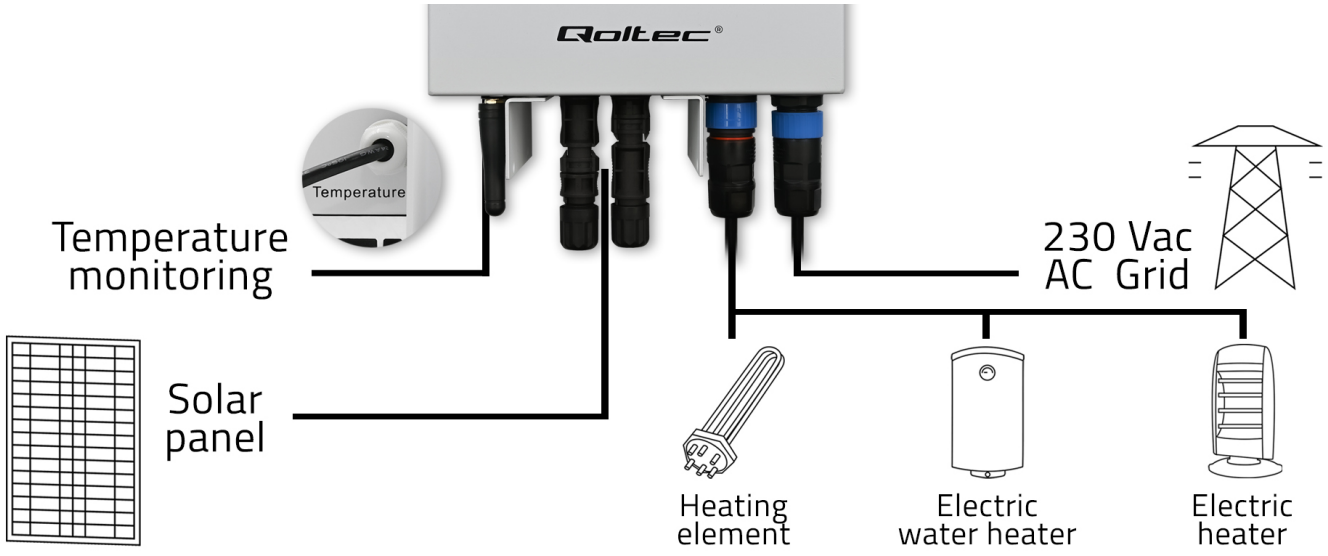
Invest in the future with the Qoltec 3000W solar inverter and enjoy energy independence. **Thanks to the bypass function, it can be connected to both solar panels and the power grid** , ensuring uninterrupted operation of the heating equipment. Thanks to this **users can rest assured that their heating 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!



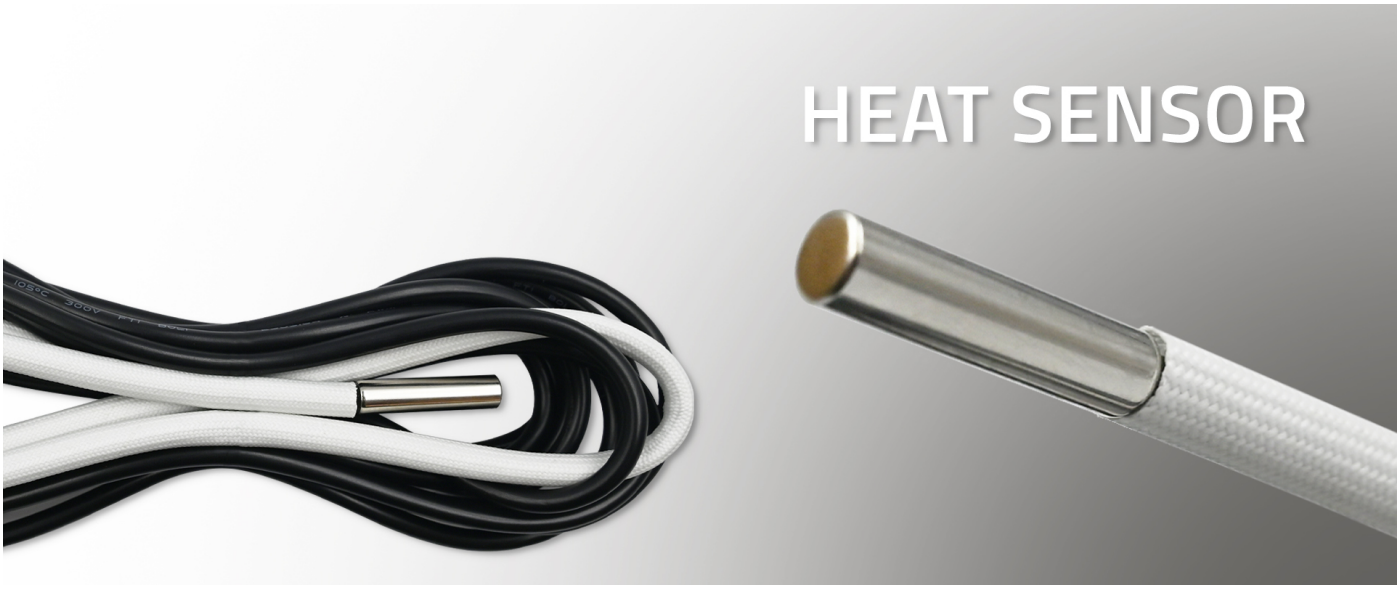
Why should you choose our inverter?
- Thanks to advanced MPPT technology, **the inverter ensures maximum use of solar energy, resulting in lower electricity bills**,
- It can be connected to both solar panels and the power grid, e.g. in the event of an energy shortage,
- Ideal **for various heating applications**, 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.

FULL CONTROL OVER ENERGY EFFICIENCY



Remote Monitoring and Control via the Smart SWHS App
With the Smart SWHS mobile app, users can remotely monitor and manage the device's operation, track water temperature in real time, adjust settings, and check system performance. This enables optimization of its operation based on current needs and easy adjustment of parameters such as water temperature regulation (from 30 C to 80 C).

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
Rated voltage	230V (AC)
Rated current	20A (AC)
Input Voltage Range (PV)	110 ~ 300VDC
Maximum load	230V/4000W
MPPT operating voltage range	90 ~ 290VDC
Maximum solar input power	3000W
AC heating rated power	4000W
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 Water temperature control 30-80 Wi-fi (Smart SWHS)
IP rating	IP65
Operating temperature	-20°C ~ +55°C
Storage temperature	-20°C do +55°C
OTHER PARAMETERS	
Colour	White
Material	Aluminium
Dimensions (D/L x W x H)	258 x 190 x 85 mm
Package	Box
Package contents	1 Solar inverter 1 Connector set 1 User manual 1 x Smart SWHS user manual 1 Installation protocol
Package depth / length [mm]	305
Package width [mm]	244
Package height [mm]	162
Net weight [kg]	2.700
Gross weight [kg]	3.100
Certificate	CE
Warranty	24 month
EAN code	5901878538679