



PHOTOVOLTAIC HEATING ROD

The photovoltaic heating rod enables simple photovoltaic retrofitting of existing hot water buffer tanks. The heating rod is screwed into a standard 1,5" thread. The photovoltaic support provides energy and cost savings for conventional hot water preparation via gas or oil heaters.

Since the heating rod does not feed into the electricity grid, the photovoltaic system does not need to be registered.



RETROFIT

The Photovoltaic heating rod can simply be screwed into a standard 1.5" flange of an existing hot water tank.



INNOVATIVE MPP TRACKER

50% higher yield thanks to innovative MPP Tracker that always ensures the maximum yield of the PV modules.



HOT WATER SUPPLY

Hot water production through the power of the sun. Switch off your inefficient gas or oil heating in summer.



EASY INSTALLATION

The photovoltaic modules are connected by simple plug and play connections. No electrician is needed for installation.



GOOD FEELING

Enjoy the good feeling of a free and 100% environmentally friendly hot shower.



NO REGISTRATION

The heater works independently from the 230V power grid. No registration of the photovoltaic system is required.

	UNIT	
PHOTOVOLTAIC HEATING ROD		
Product name	–	HROD-550
Max. photovoltaic heating power	W	550
Max. photovoltaic current consumption	A	15,5
IP class	–	24
Gross weight (+/- 3 %)	kg	0,8
Max. water temperature	°C	85
Integrated MPP tracker	–	✓
Integrated reverse polarity protection	–	✓
Digital display	–	✓
CE – certification	–	✓
Dimensions housing (length, width, height)	cm	15,4 x 10 x 10
Dimensions heating rod, total (length, width, height)	cm	15,4 x 10 x 47
Screw in diameter	–	G 1½ (M)
PHOTOVOLTAIC INPUT		
Recommended photovoltaic power	W _p	300 - 1200
Max. connected photovoltaic power	W _p	2000
Max. open circuit voltage at 25°C	V _{oc}	50
Photovoltaic connector	–	MC4

PHOTOVOLTAIC RETROFITTING OF AN EXISTING BUFFER TANK IN COMBINATION WITH THE FOTHERMO SWITCHING DEVICE.

The photovoltaic heating rods can be combined with the fothermo switching device. The water in the buffer tank is then heated in a prioritised manner from top to bottom. Surplus energy can be fed into the domestic grid via a micro PV inverter.

EXPAMPLE OF AN APPLICATION

