

## SWITCHING DEVICE

Use surplus energy to reduce costs for electricity.

When the photovoltaic boiler is fully heated, the excess electricity is fed into the grid. The feed-in takes place via a plug & play micro PV inverter. With this simple device, every household can save several hundred euros in additional electricity costs per year. No electrician is needed for the installation.



### MICRO PV INVERTER

Retrofitting of an existing balcony power plant with a photovoltaic boiler is possible. Use your already existing inverter.



### COST SAVING

Reduce your electricity bill and feed surplus electricity into your 230V power grid at home.



### INTELLIGENT POWER DISTRIBUTION

Smart power distribution depending on the available power for maximum energy usage.



### EASY INSTALLATION

Due to the extra low voltage, no electrician is needed for installation.



### INDEPENDENCE:

Make yourself less dependent on rising energy prices.

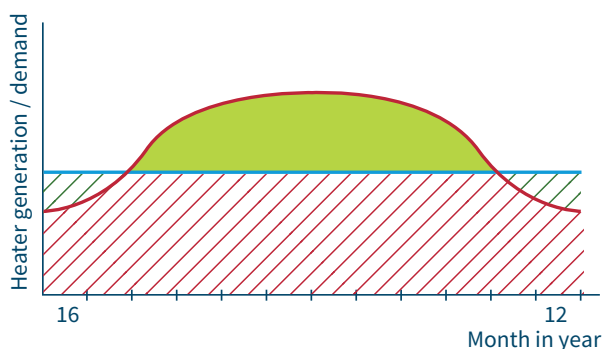
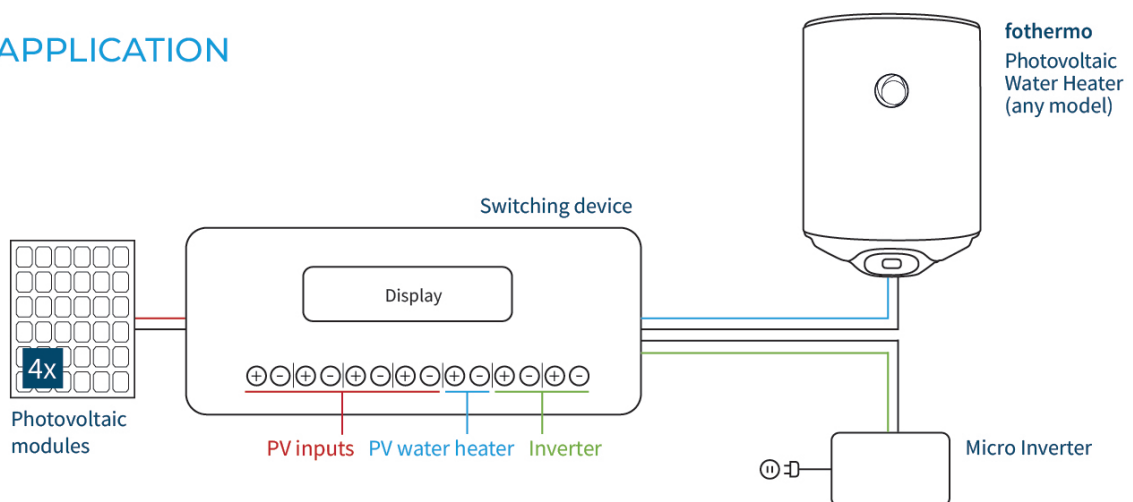


### UP TO 4 PV PANELS

Use the power of up to 4 PV modules simultaneously. This allows even more electricity to be generated and used.

	UNIT	
<b>SWITCHING DEVICE</b>		
Product model	–	SWD-1.600
<b>PHOTOVOLTAIC INPUT</b>		
Number of connectable modules	–	4
Recommended photovoltaic power per input	W <sub>p</sub>	300 - 450
Max. open circuit voltage	V <sub>oc</sub>	50
Max. short circuit current per PV module	A	12
<b>CONNECTABLE ELECTRICAL LOADS</b>		
Photovoltaic Water Heater	W	600
Micro PV Inverter	W	2x 300
<b>GENERAL DATA</b>		
IP class	–	20
Gross weight (+/- 3 %)	kg	0,4
Integrated reverse polarity protection	–	✓
Digital display	–	✓
CE – certification	–	✓
Dimensions (length, width, height)	cm	17,9 x 7,6 x 4,1

## APPLICATION



## SURPLUS FEED-IN

The surplus solar energy that exists in the summer months is made usable again by the switching device by feeding it into the grid.

- Energy demand for hot water
- Max. yield of the photovoltaic modules
- /// Photovoltaic energy used by the boiler
- /// Energy that must be drawn from the electricity grid to provide hot water due to low irradiation power.
- Surplus energy that is fed into the electricity grid with the switching device.