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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.

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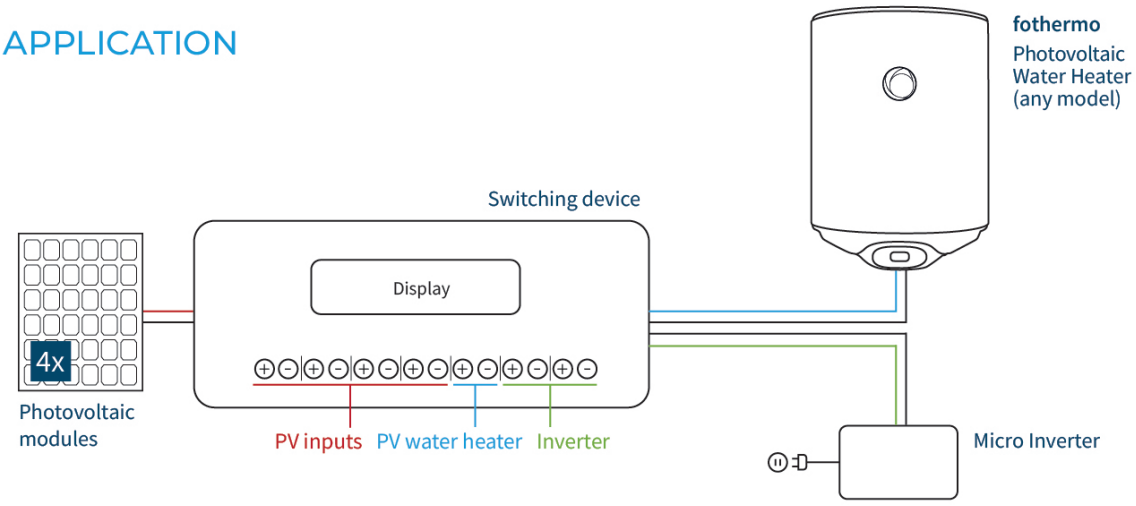
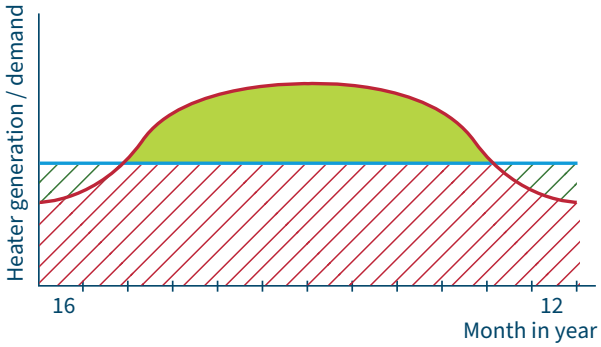
	UNIT	
SWITCHING DEVICE		
Product model	–	SWD
PHOTOVOLTAIC INPUT		
Number of connectable modules	–	4
Recommended photovoltaic power per input	W_P	300 - 450
Max. open circuit voltage	V_{OC}	50
Max. short circuit current per PV module	A	12
CONNECTABLE ELECTRICAL LOADS		
Photovoltaic Water Heater	W	600
Micro PV Inverter	W	2x 300
GENERAL DATA		
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.