

DeltaTherm® PV

POWER TO HEAT



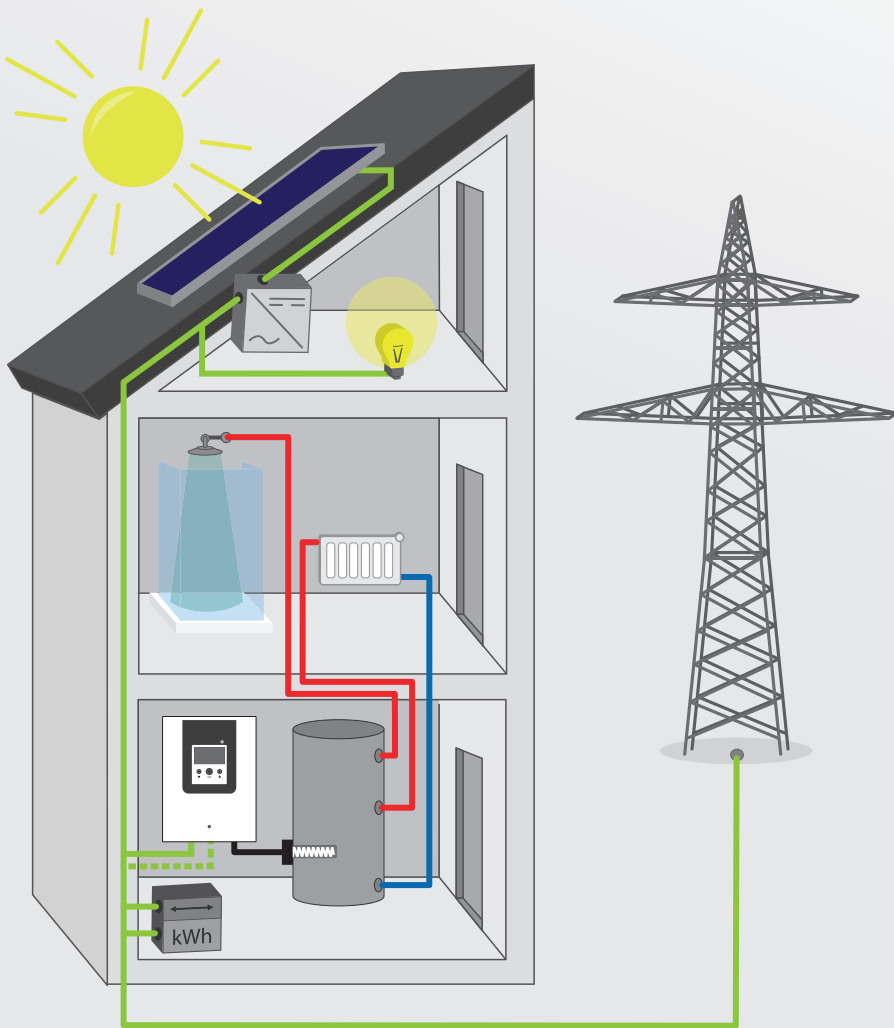
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The *DeltaTherm®* PV immersion heater controller detects excess current, e.g. produced by PV systems, calculates the energy available and redirects it to an electric heater.

Thus, excess PV current can be directly converted into thermal energy and stored.

- Using excess current for heating a water store
- Electric heater of up to 3 kW, variable and grid compliant
- Direct control of the electric immersion heater in the store
- Can be fitted to all stores equipped with an electric immersion heater
- Reliable household power priority
- Economical solution for using excess current



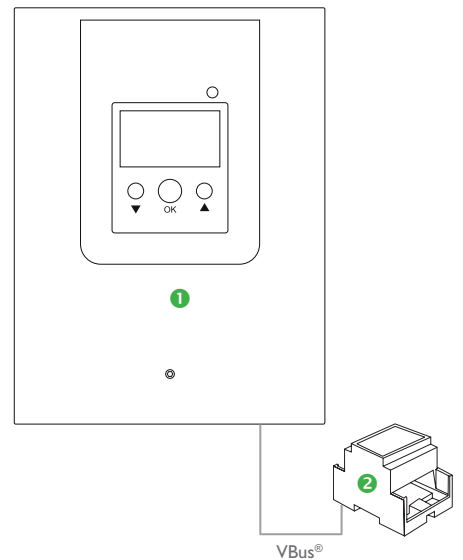
- Intelligent control technology for variable electric heaters
- Converts excess PV current into heat and stores it for later use
- Helps by using more regenerative power for yourself and decreasing heating costs
- Contains power fluctuations, observes household power priority

DeltaTherm® PV – Full kit

incl. measuring unit, 3 current sensors and 1 Pt1000 sensor (FRP6)

Price on request | Article no.: 115 006 53

Technical data



- ① Controller with power unit
- ② Measuring unit with current sensors

Technical data measuring unit

Inputs: 3 current inputs for CT, 3 voltage inputs

Power supply: 100 ... 240 V~ (50 ... 60 Hz)

Standby: < 1 W

Data interface: VBus®

Functions: energy measuring unit

Housing: plastic, PC (UL 94V-0)

Mounting:

DIN rail in the domestic distribution board

Indication / Display: 2 operating control LEDs

Ingress protection: IP 20 / EN 60529

Protection class: II

Ambient temperature: 0 ... 40 °C

Dimensions: 71 x 90 x 58 mm

Technical data controller with power unit

Inputs: 3 Pt1000 temperature sensors, 2 digital switching inputs, 0-10V control input

Outputs: 2 digital switching outputs, variable power control up to 3 kW (electric immersion heater)

Power supply: 100 ... 240 V~ (50 ... 60 Hz)

Data interface: VBus®

Functions: controlling an electric heater for using excess PV current for heating a store

Housing: sheet metal, powder-coated

Mounting: wall mounting

Indication / Display: text display, 1 operating control LED

Operation: 3 buttons

Ingress protection: IP 0 / EN 60529

Protection class: I

Ambient temperature: 0 ... 40 °C

Dimensions: approx. 226 x 302 x 84 mm