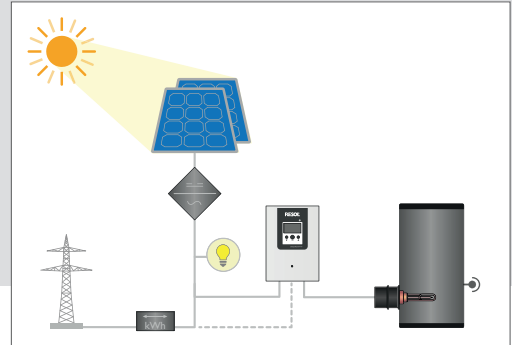




EXAMPLE



DeltaTherm® PV

The **DeltaTherm® PV** detects excess current, e.g. produced by PV systems, calculates the power available and redirects it to an electric heater. Thus, excess PV current can be directly converted into thermal energy and stored.

- Increase in self-consumption
- Stepless control of an electric immersion heater
- Household current priority
- Suitable for all grid-connected PV systems
- 0-10 V power control (optional)
- Internal backup heating with mains current (optional)
- Smart Remote access (optional)
- Inverter power limitation (optional)



DeltaTherm® E
sensor measuring unit

TECHNICAL DATA

- 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)
- Supply connection:** type X attachment
- Standby:** 1.47 W
- Rated impulse voltage:** 2.5 kV
- Data interface:** RESOL VBus®
- VBus® current supply:** 35 mA
- Functions:** controller and power controller
- Housing:** sheet metal, powder-coated
- Mounting:** wall mounting
- Indication / Display:** full graphic display
- Operation:** 3 buttons
- Ingress protection:** IP 20/EN 60529
- Protection class:** I
- Ambient temperature:** 0 ... 40 °C
- Degree of pollution:** 2
- Fuse:** F16A, T16A
- Overvoltage category:** 2
- Maximum altitude:** 2000 m above MSL
- Dimensions:** approx. 226 x 302 x 84 mm

TECHNICAL DATA

- Inputs:** 3 current inputs and 3 voltage inputs for SW16 current sensors
- Power supply:** 100–240 V~ (50–60 Hz)
- Supply connection:** Y
- Standby:** < 1W
- Rated impulse voltage:** 1.0 kV
- Data interface:** RESOL VBus®
- Functions:** energy measuring unit
- Housing:** plastic, PC (UL 94 V-0)

- Mounting:** DIN rail in the domestic distribution board
- Indication / Display:** 2 operating control LEDs
- Ingress protection:** IP20/EN 60529
- Protection class:** II
- Ambient temperature:** 0 ... 40 °C
- Degree of pollution:** 2
- Dimensions:** 71 x 90 x 58 mm