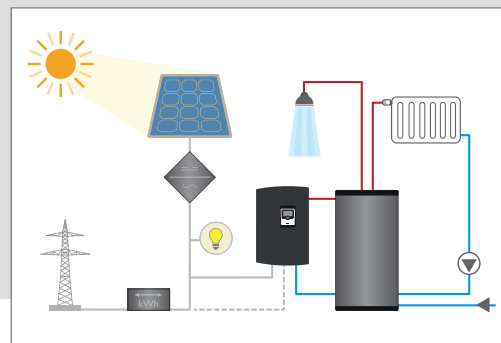


## EXAMPLE



## FlowSol® E electrothermal station

The RESOL FlowSol® E has been especially designed for using excess power produced by PV systems.

The sensor module reliably detects excess current and the integrated controller redirects it to a stepless variable electric heater for heating a water store. Thus, excess power can be stored as regenerative heat, self consumption can be increased while decreasing conventional heating costs.

- ① Power unit
- ② Sensor module *DeltaTherm® E* and current sensors

- Integrated high-efficiency pump and *DeltaTherm® E* controller
- Integrated electric heater of up to 3 kW, stepless variable and grid compliant, up to 12 kW with external loads
- Can be easily fitted to all heating systems
- Reliable household power priority
- External backup heating demand (optional)
- Internal backup heating with mains current (optional)
- 0-10 V power control
- Inverter power limitation
- Smart remote access

## TECHNICAL DATA

### Circulating pump:

Wilo PARA 15/7.0-PWM2

(power consumption of the pump: 3 ... 45 W)

**Power supply:** 220–240V~ (50–60 Hz)

**Cable cross section required:** 2.5 mm<sup>2</sup>

**Heater:** 0.8 kW/0.8 kW/1.4 kW

**Nominal power/current:** 0 ... 3 kW (13 A)

**Safety valve:** 3 bar

**Connections:** Rp 3/4" IT

**Maximum temperature:** 95 °C

**Maximum pressure:** 3 bar

**Medium:** heating water

**Dimensions:** approx. 605 x 400 x 240 mm (with insulation)  
distance centre/wall: 76 mm

**Weight:** 14 kg

### Material:

fittings: brass

seals: EPDM

insulation: EPP foam

## TECHNICAL DATA – CONTROLLER (*DeltaTherm® E*)

**Inputs:** 4 Pt1000 temperature sensors, 2 digital switching inputs

**Outputs:** 3 semiconductor relays, 1 potential-free extra-low voltage relay, 1 PWM output

**Switching capacity:** 1 (1) A 240 V~ (semiconductor relay)  
1 (1) A 30 V~ (potential-free relay)

**Total switching capacity:** 3 A 240 V~

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

**Supply connection:** type X attachment

**Standby:** 0.89 W

**Mode of operation:** type 1.B.C.Y action

**Rated impulse voltage:** 2.5 kV

**Data interface:** VBus®, MicroSD card slot

**VBus® current supply:** 60 mA

**Housing:** plastic, PC-ABS and PMMA

**Indication/Display:** full graphic display, operating control LED (Lightwheel®) and background illumination

**Operation:** 2 push buttons and 1 adjustment dial (Lightwheel®)

**Ingress protection:** IP 20/EN 60529

**Protection class:** I

**Ambient temperature:** 0 ... 40 °C

**Degree of pollution:** 2

**Relative humidity:** 10 ... 90 %

**Fuse:** T4A

**Maximum altitude:** 2000 m above MSL

Article no.	Article	Price bracket
112 199 33	FlowSol® E – DeltaTherm® E – Electrothermal station (heating water) » incl. DeltaTherm® E controller, power unit and sensor module	A
290 040 00	Spare fuses FlowSol® E – 3 x T16A, 3 x F5A, 3 x T4A (from version 2.00)	C