Solar-nu.nl

RESOL®
CONTROL TECHNOLOGY

HE pump control

Made in Germany

FlowSol® E

For converting excess current into thermal energy

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

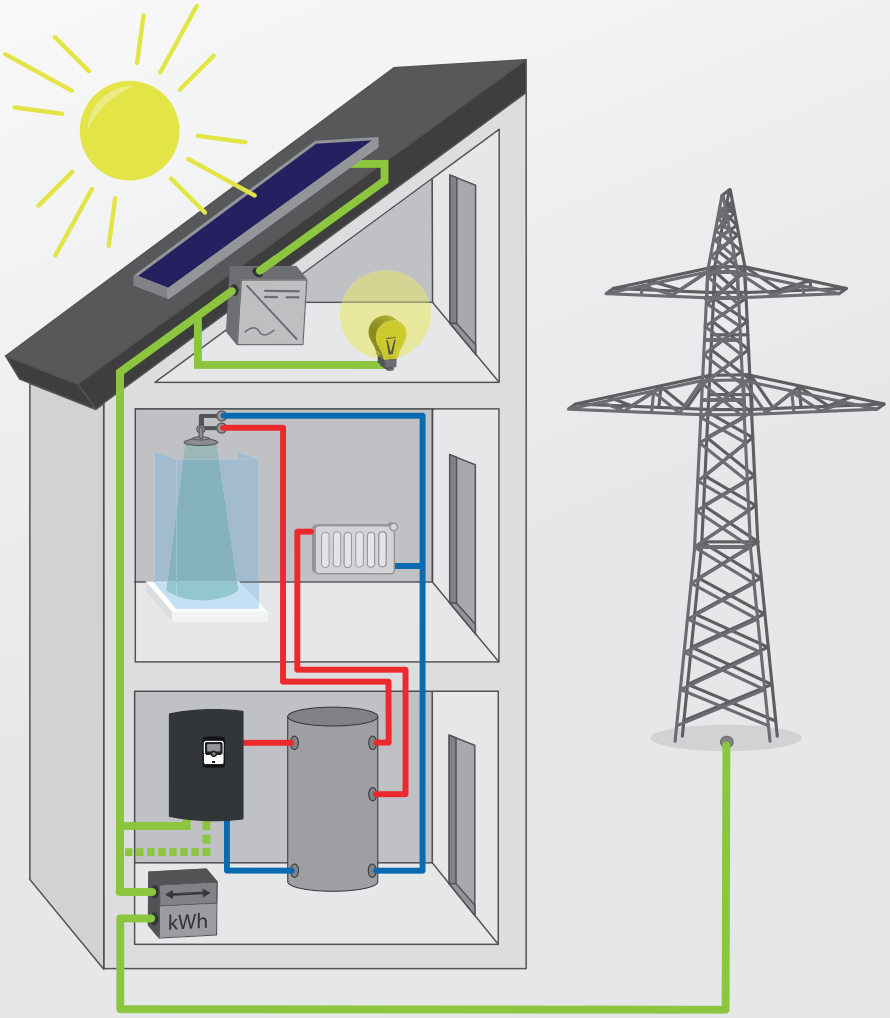
The measuring device reliably detects excess current and the integrated controller redirects it to a steplessly variable electric heater for heating a water store.

Thus, excess power can be stored as regenerative heat, internal consumption can be increased while decreasing conventional heating costs.

- Integrated DeltaTherm® E controller and high-efficiency pump
- Integrated electric heater of up to 3 kW, steplessly variable and grid compliant
- Retrofittable in all heating and DHW systems
- Reliable household power priority

www.resol.com

Example



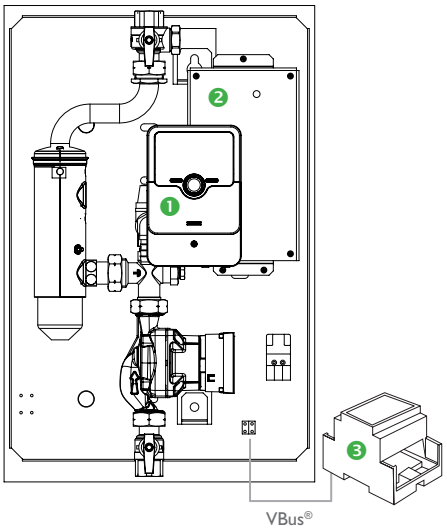
- Converts excess PV current into heat and stores it for later use
- Helps using more regenerative power for yourself and decrease heating costs
- Contains power fluctuations, observes household power priority
- Intelligent control technology for optimum store stratification

RESOL FlowSol® E – DeltaTherm® E

Electrothermal station, incl. DeltaTherm® E controller, power unit and measuring unit

Article no. (heating water): **112 199 33**

Technical data



1. DeltaTherm® E controller
2. Power unit
3. Measuring unit and current sensors

Circulating pump:
Wilo Yonos PARA 15/7.0-PWM2 (heating water)
(power consumption of the pump: 3 … 45 W)
Power supply: 220 … 240 V~ (50 … 60 Hz)
Cable cross section required: 2,5 mm²
Heater: 0,8 kW / 0,8 kW / 1,4 kW
Nominal power / current: 0 … 3 kW (13 A)
Safety valve:
3 bar (heating water)
Connections: Rp ¾" IT
Maximum temperature: 95 °C
Maximum pressure:
3 bar (heating water)
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

Inputs: 4 Pt1000 temperature sensors
Outputs: 2 semiconductor relays, 1 PWM output
Switching capacity:
1 (1) A 240 V~ (semiconductor relay)
Total switching capacity: 2 A 240 V~
Power supply: 100 … 240 V~ (50 … 60 Hz)
Supply connection: type Y attachment
Standby: < 1 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
Pollution degree: 2

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