

**Regulus**

# **SOLAR THERMAL SYSTEMS SPECIAL OFFER**

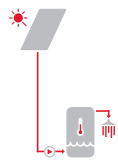
**SUMMER 2021**



**Seasonal Sets  
with solar thermal systems  
for family homes**

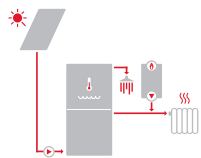


## OVERVIEW OF SETS



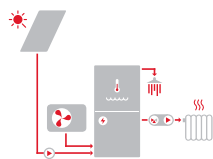
Solar thermal system with hot water storage tank  
- for DHW heating

**page 4**



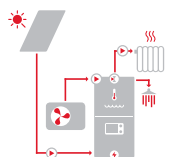
Solar thermal system with DUO/HSK combination thermal store  
- for DHW heating and aux. space heating, for systems with boilers

**page 5**



Solar thermal system with EcoAir air-to-water heat pump  
and DUO/HSK combination thermal store  
- for DHW heating and aux. space heating

**page 6**



Solar thermal system for CTC multi-energy thermal stores  
- for DHW heating and aux. space heating in EcoZenith i250  
or EcoHeat multi-energy thermal stores

**page 7**

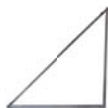
## ACCESSORIES

**CODE**



Roof anchors for inclined roofs  
Anchor for pantiles - hot-dipped galvanized steel

**7929**



Supports for flat roofs  
Triangle Support, pitch 45°  
Strut for Triangle Supports

**6859**  
**9563**



Air release kit

**13 308**



Pre-insulated pipe, DN16, 15 m

**9619**



Expansion vessel for drinking water  
Bracket w. 3/4" connection valve

**13755**  
**7766**



Electronic anode rod for RxDC 200-250 hot water storage tanks  
Electronic anode rod for DUO  
Electronic anode rod for RxDC 300 hot water storage tanks (set of 2 anodes)

**9174**  
**13973**  
**17378**



Auxiliary electric heating element, power cord

**15167**  
**16942**

## SOLAR THERMAL SYSTEM W. HOT WATER STORAGE TANK

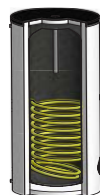
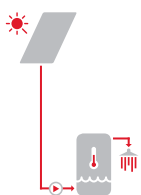
The simplest solar water heating systems can be installed as pre-heating to existing heating, for example to an electric water heater. If we add an electric heating element to the solar HW storage tank, we get a separate source of hot water even for new buildings. A HW storage tank with 2 heat exchangers is suitable for heating systems with gas or biomass boilers. The solar thermal system is connected to the lower heat exchanger and the gas boiler heats up the water to the desired temperature via the upper heat exchanger. When combining a solar thermal system with solid fuel heat sources, it is also possible to install an electric heating element in the storage tank that would heat the water off the heating season during insufficient sunshine.



### Solar set w. a single-HX hot water storage tank

#### THE SET INCLUDES:

- 2 solar thermal collectors
- Hot water storage tank
- CSE SOL W SRS1 T-E HDO Pump station with controller
- 18l Solar expansion vessel, incl. bracket and connection
- Solarten, 20l (solar antifreeze fluid)
- Anti-scald valve

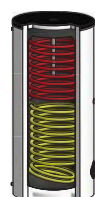
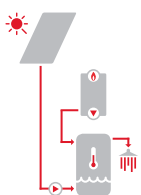


SET	COLLECTORS	TANK	CODE
SOL 250/1	KPS1	RDC 250	16790
SOL 300/1	KPG1	RDC 300	14284

### Solar set w. a two-HX hot water storage tank

#### THE SET INCLUDES:

- 2 solar thermal collectors
- Hot water storage tank
- CSE SOL W SRS1T Pump station with controller
- 18l Solar expansion vessel, incl. bracket and connection
- Solarten, 20l (solar antifreeze fluid)
- Anti-scald valve



SET	COLLECTORS	TANK	CODE
SOL 250/2	KPS1	R2DC 250	15404
SOL 300/2	KPG1	R2DC 300	14289

## SOLAR THERMAL SYSTEM W. COMBINATION THERMAL STORE

The solar thermal system is connected to a combination thermal store that ensures both space heating and DHW heating for domestic use. The thermal store is divided into two thermally independent spaces by a separating metal sheet. The lower space can only be heated to the temperature required for heating. The space above the separating plate is constantly maintained at the desired hot water temperature. The tank permits installation of electric heating elements or connecting other heat sources - heat pump, fireplace insert, gas boiler...

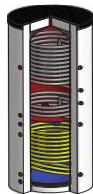
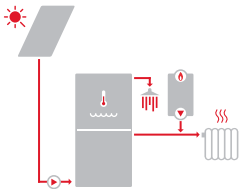
These sets are suitable for new buildings, where a gas boiler with water heating in an indirect heated hot water storage tank is designed. The storage tank will be replaced by the combination thermal store that will be connected to the solar thermal system and gas boiler.



### SOL 390 HSK Solar Set

#### THE SET INCLUDES:

- KPG1 solar thermal collectors - 2 pcs of total aperture area of 4.78 m<sup>2</sup> and 3.77 kW heat output
- HSK 390 PR s combination thermal store w. DHW heating in an integrated stainless-steel heat exchanger
- CSE SOL W P Pump station and SRS3 E controller
- 18l solar expansion vessel, 60l expansion vessel for heating, incl. bracket&connections
- Solarten, 25l (solar antifreeze fluid)
- Anti-scald valve



SET

CODE

SOL 390 HSK

16574

## SOLAR THERMAL SYSTEM W. ECOAIR AIR-TO-WATER HEAT PUMP & HW STORAGE TANK

The solar thermal system and the heat pump are connected to a combination thermal store that provides both heating water and domestic hot water. The division of the tank into two spaces is particularly suitable for systems with heat pumps, as the temperature in the lower part can be even tens of degrees C lower than in the upper one.

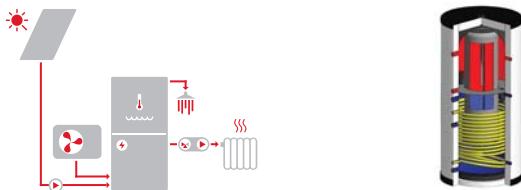
Space and hot water heating are controlled by a smart controller that responds to both outdoor temperature and user requirements. The controller is equipped with a web server as standard, which allows full setting via a connected computer or remotely from anywhere over the Internet.



### EA SOL DUO Solar Set

#### THE SET INCLUDES:

- EcoAir heat pump
- KPG1 solar thermal collectors, 2 pcs of 4.78 m<sup>2</sup> and 3.77 kW heat output
- DUO 390/130 PR combination thermal store w. immersed DHW tank and solar heat exchanger
- Electric heating elements
- CSE SOL W P solar pump station
- IR 14 smart controller incl. room sensor
- 18l solar expansion vessel, 60l expansion vessel for heating, incl. bracket&connections
- Solarten, 25l (solar antifreeze fluid)
- Anti-scald valve
- Insulated pump station w. mixing valve for heating system

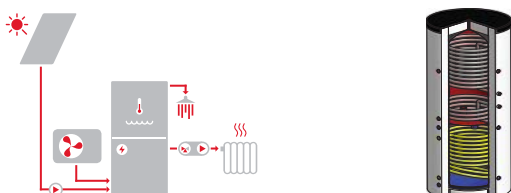


SET	CODE
EA 408 SOL DUO	16579
EA 410 SOL DUO	16581
EA 415 SOL DUO	16582

### EA SOL HSK Solar Set

#### THE SET INCLUDES:

- EcoAir heat pump
- KPG1 solar thermal collectors, 2 pcs of 4.78 m<sup>2</sup> and 3.77 kW heat output
- HSK 390 PR s combination thermal store w. integrated stainless-steel DHW heat exchanger and solar heat exchanger
- Electric heating elements
- CSE SOL W P solar pump station
- IR 14 smart controller incl. room sensor
- 18l solar expansion vessel, 60l expansion vessel for heating, incl. bracket&connections
- Solarten, 25l (solar antifreeze fluid)
- Anti-scald valve
- Insulated pump station w. mixing valve for heating system



SET	CODE
EA 408 SOL HSK	16583
EA 410 SOL HSK	16584
EA 415 SOL HSK	16585

## SOLAR THERMAL SYSTEM FOR EcoZenith i250 MULTI-ENERGY THERMAL STORES

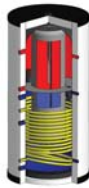
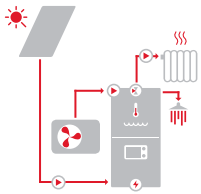
The EcoZenith i250 is a thermal store with integrated hot water heating in a heat exchanger, which also includes an electric heating element used as an auxiliary source to the heat pump, a bivalent four-way mixing valve with actuator and a smart controller with colour touch screen. The EcoZenith i250 multi-energy thermal store can be connected to the EcoAir 406-410 air-to-water heat pump. The solar thermal system can be connected to the multi-energy thermal store via a plate heat exchanger. The SOL EZ/EH Solar Set contains the necessary components. It can also be connected to EcoHeat heat pumps.



### SOL EZ/EH Set

#### THE SET INCLUDES:

- KPG1 solar thermal collectors, 2 pcs
- Solar module for EZ/EH - plate heat exchanger, circulation pump, connection sets
- CSE SOL W SRS1 T-E solar pump station w. controller
- 18l solar expansion vessel, incl. bracket&connections
- Solarten, 20l (solar antifreeze fluid)
- Anti-scald valve



SET

CODE

SOL EZ/EH

16575

# Let yourself be convinced...



## **SOLAR THERMAL SYSTEM FOR DHW HEATING OR AUX SPACE HEATING?**

If you plan to purchase a solar thermal system, you can decide for a DHW heating system only or for a system with space heating support. Two solar collectors for a family of four are usually sufficient to produce hot water.



## **FOR NEWLY BUILT HOMES OR EXISTING BUILDINGS?**

Solar thermal systems can also be installed in existing buildings without much difficulty. For example, simply replace the existing electric water heater with a hot water storage tank with a heat exchanger and run the pipes to the roof. If the roof is not oriented right (the deviation from the south should be 45° max.), the collectors can be placed on the gable wall, for example.

## **FOR SYSTEMS WITH GAS BOILER, COAL BOILER OR FOR HEAT PUMPS?**

The solar thermal system can be combined with any heating system. The cost of DHW heating will be always reduced. In addition, it will reduce operating hours of the heat pump and so extend its service life. In systems with solid fuel boilers, it ensures the comfort that there is no need to start the boiler in the summer.



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...we will prepare you a tailor-made offer for free!  
Just give us a few details on your house.