

SOLAR ENERGY COMBINED SYSTEM

SECS - Heating and SHW



A solar energy combined system produces hot water from the sun for space heating and domestic hot water.

In the systems proposed by SYRIUS, the storage tank is a «tank in tank» type: the domestic hot water tank is inside the storage tank for the space heating water. The solar collectors heat the main tank with the exchanger. The domestic hot water storage tank will be heated and kept at a constant temperature in the main storage tank.

The system is composed with a regulator which control solar pump and the space heating pumps. Back-up energy can be provided by a back-up boiler (gas, oil, wood), a heat pump or an electric element.



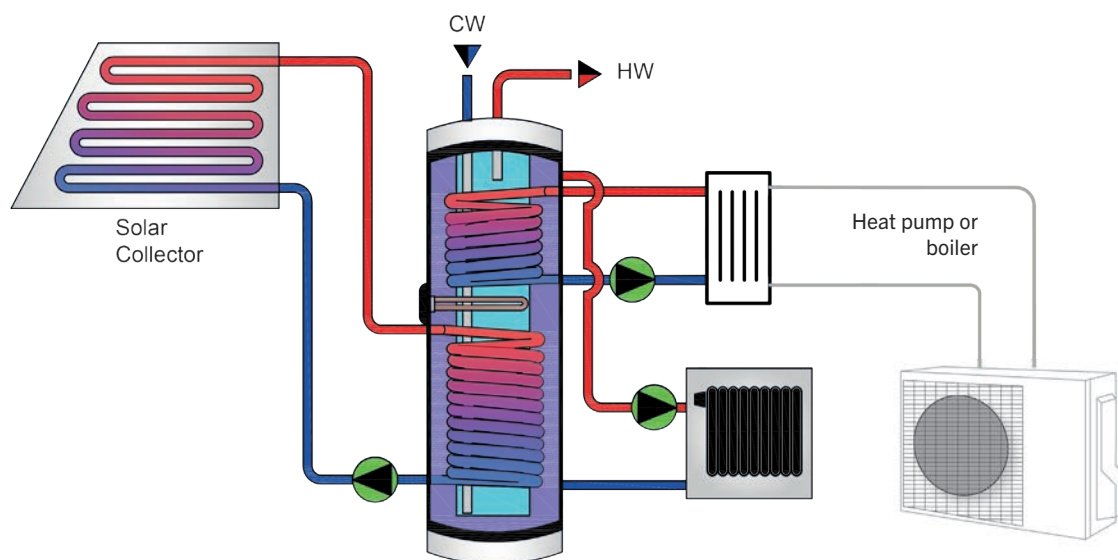
Set's detail

- Storage tank «tank in tank» with stainless steel 316L ou enamelled steel, single or double heat exchanger
 - Solar collector(s)
 - 2-Way solar pump unit (includes: regulation, circulator, filling valves, degasser, flow meter, pressure gauge, flow and return thermometers)
 - Expansion tank with support and connection
 - Security group
 - Ready-to-use heat transfer liquid (-25°C)
 - Set's for radiators heating circuit outlet (for underfloor heating on request)
- The corresponding brackets must be added for the configuration of the installation.
(see data sheet and price list)



SSC 600, 800, 1000 and 1500 liters

| Model | SSC 608 | SSC 810 | SSC 1012 | SSC 1518 |
|--|--|-----------|-----------|-----------|
| Storage Tank (see product sheets for full technical specifications) | | | | |
| Reference of single heat exchanger tank | BVK0600W | BVK0800W | BVK1000W | BVK1500W |
| Reference of double heat exchanger tank | BVK0600WW | BVK0800WW | BVK1000WW | BVK1500WW |
| Collectors type C2000 D12c (see product sheets for full technical specifications) | | | | |
| Quantity of collectors | 4 | 5 | 6 | 9 |
| Total gross area (m ²) | 8 | 10 | 12 | 18 |
| Solar Pump FlowSol® B HE | | | | |
| | 2-Way solar pump with DeltaSol® SL regulation. | | | |



Possible association with :

- Boiler (wood, gas, oil)
- Underfloor heating

Collectors 10 years warranty
Storage Tank 5 years warranty
Supports 10 years warranty

Certifications

SolarKeymark collectors certification
078/000381



Tank enamelling inside treatment
according to norm DIN 4753-3 and
UNI 10025
Made In European Union



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