

Sun Maxx

maximum performance range

Quality Flat Panels

Quality Solar tubes

Designed for northern European climates

The new standard in solar panels

These MCS approved maximum performance DIY solar panels products have proven to be outstanding through maximum performance with minimum size. The glass surface area of the absorber is larger than the gross surface area of the collector. This intentional target of maximising the absorber surface area is combined, with the optimised reflectors, to guarantee the maximum absorption of direct and diffused light levels.

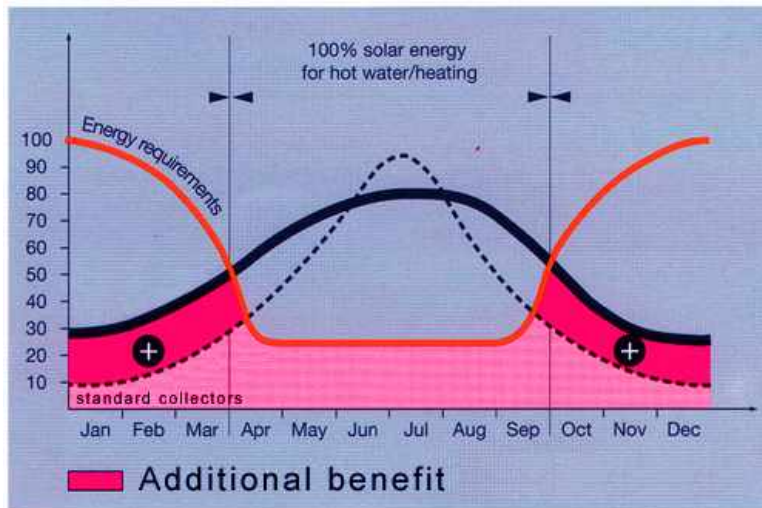
Proven to be perfect for northern hemisphere climates such as Denmark, Sweden, Germany and the UK.



A system for all kinds of weather throughout the entire year

Flat panels and evacuated solar tubes available.

All collectors are tested to the highest standards with their highly selective absorber coatings, and the development achievement of the solar tubes, mean vacuum loss is avoided completely due to the mechanical vacuum insulation. The energy from the sun is then collected even at sub-zero temperatures in winter or under cloudy or rainy conditions.



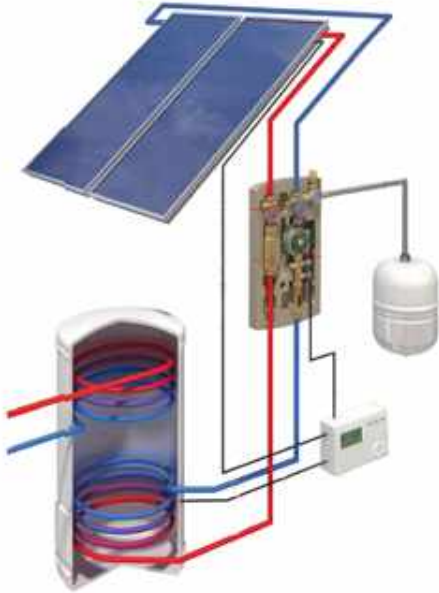
Advantages of collectors:

- No metal to glass bonding, which prevents vacuum, leakage which is a problem with others.
- Better performance over the products entire lifespan.
- 360 deg absorber for the greatest possible energy absorption with up to 80% of diffuse radiation.
- Nine layer, highly selective aluminium-nitrate coating.
- Small collector dimensions but higher yields.
- Certification based on performance and quality.
- No optical reduction due to diffuse irradiation in the morning and afternoon.
- High utilisation throughout the 30 years service life of the product.
- High quality material and Swiss engineered. Aluminium, borosilicate glass, 3.3/nitrate-coatings, copper, steel, EPDM or Silicone, low iron glass, re-enforced plastic, glass wool.
- Can be used for hot water heating and auxiliary heating.
- No soldering or welding needed. The Collectors are delivered ready built for ease of installation.
- Various systems sizes for small scale domestic with a guaranteed maximum performance.
- On-roof, in-roof, wall mounted and A-frame mounting options.

Reduced installation times - Installation time and costs for conventional collectors are a third more than a Swiss Sun collector. We pre-build their collectors at the factory, so this allows an easier installation and reduced installation times and costs, allowing you the installer to benefit.

Schematics

The MCS tested and approved flat panel and solar tubes are ideal for plumbers, heating engineers and even competent DIY fitters. The collectors and solar tubes are delivered directly to your door ready assembled for ease of installation and save you time.



Oil and gas heating and solar

Lower operating costs than fossil fuel and higher energy yields with a longer useful lifespan than conventional solar systems.

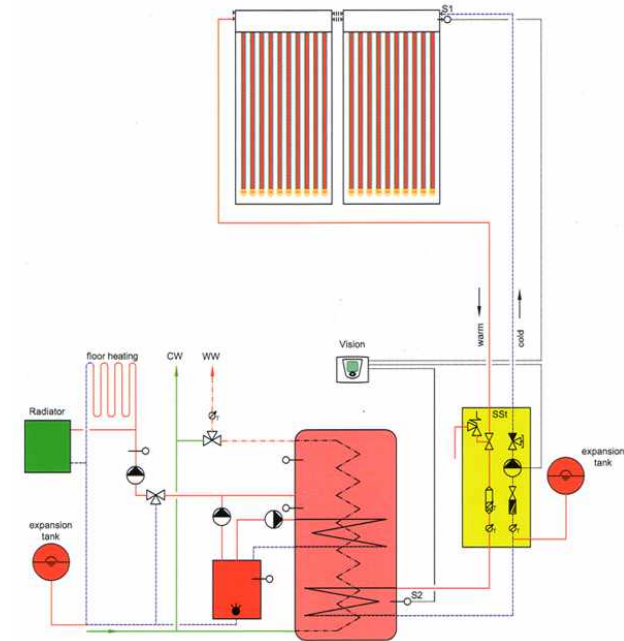
Wood heating benefits and solar

The ideal combined system wood stove with a storage tank readily available that can be used for solar energy. The consumption of firewood is greatly reduced.

Heat pumps and solar

The combination of a good quality solar system and a heat pump use electrical energy even more efficiently than standard heating set-ups. The heat pumps are not needed during the summer and supported by the solar system in winter.

Learn more at: www.solar-panels.biz/diy-solar-panels/diy-solar-panels-kits.php



Technical data

	Tubes 12	Tubes 18	Flat Panel
Length:	2086 mm	2086 mm	2206 mm
Width:	879 mm	1279 mm	1205 mm
Height:	123 mm	123 mm	80 mm
Surface area:	1.83 m ²	2.66 m ²	2.15 m ²
Weight:	42.5 kg	63.75 kg	55 kg
Content:	2.2 litres	3.3 litres	1.7 litres
Max pressure:	3 - 10 bar	3 - 10 bar	3 - 10 bar

Note: We do not recommend automatic bleed valves! If, however, there is no alternative, automatic bleed valves must always be installed vertically. A mechanical shut-off in the form of a suitable stop valve is imperative.

Designed & developed for northern European climates