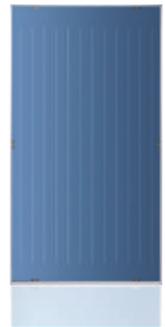


Making clever use of the sun with solar thermal systems

- › Highly efficient collectors that utilise solar energy all year round to generate free heat



STIEBEL ELTRON is full of energy

As a family company driven by innovation, throughout product development and manufacture we maintain a clear focus on environmentally responsible, efficient and convenient building services for your home. Because we're full of energy and ready to shape the future!

**The future belongs to
environmentally responsible and
efficient building services.**

Since 1924 we have been developing highly efficient products and maintain a clear focus on electricity as our primary energy source. Electricity which, nowadays, is increasingly obtained from renewables.

We rely on approximately 3700 employees around the world and their expertise at every stage of development – from the initial design, right through to the manufacture of the final product. The result – efficient and innovative solutions for domestic hot water, heat, ventilation and cooling. With our extensive product range, we always have the right option to help you prepare your home for the demands of the future – today.

At our head office in Holzminden, Germany, we have also established a clear focus on green technology – with the Energy Campus, our flagship project for sustainable construction which makes careful use of resources. This training and communication centre brings together high quality architecture and communication technology. And as a Plus Energy building, it generates more energy than it consumes. This is in keeping with our brand promise “Full of energy” and creates a space where the spirit of STIEBEL ELTRON can be experienced both in theory and practice.



**ENERGY
CAMPUS**



“I enjoy catching the rays. Not only on holiday, but with my solar collectors at home as well. They collect sufficient energy – even in winter – to heat my apartment, saving me money even when temperatures are low.”

For the sunny side of your house

In the future, energy provision will heavily rely on renewables. Solar, wind and water are available as unlimited suppliers of energy. In Germany for example, the sun shines for up to 1900 hours per annum. This represents approximately 1000 kWh per square metre of free energy which can be converted into heat. This enables not only a largely CO₂-free heat generation but also creates greater independence from fluctuating energy prices and reduces your monthly energy bills.

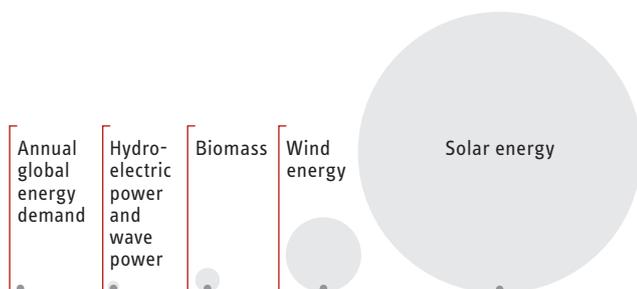
Benefits of a solar thermal system

- › Reduction of monthly energy bills by utilising free solar energy
- › Safe investment for the future
- › Value added to your property
- › CO₂-free domestic hot water heating with renewables

A collector surface area of 4 to 6 m² is already sufficient to cover the DHW demand of a family of five for up to 70 % of the year. Solar collectors from STIEBEL ELTRON are characterised by an extremely high level of efficiency in excess of 80 %. As a consequence they are increasingly used to back up central heating systems – even existing ones. Compared to conventional solar collectors, these collectors pay for themselves very rapidly as a result of the high output.

They are an efficient solution for any type of building – in commercial enterprises, such as for heating swimming pools, as well as in private environments. Flexible installation options ensure an optimum utilisation of the available roof layout.

With a view to the energy transition, acquiring solar collectors is a genuine investment in the future and ensures a higher value for your property.

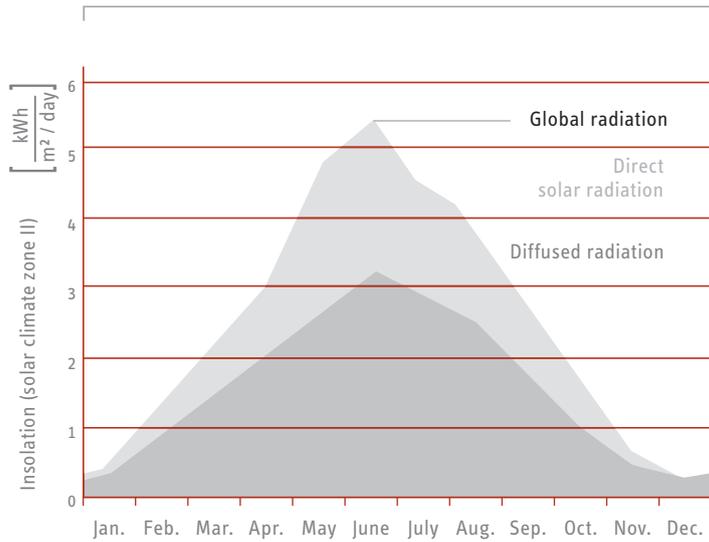


Source: DLR, Dr Nitsch

A sunny outlook

The sun provides us with an inexhaustible supply of energy. Every year, it delivers 3000 times more energy than the world consumes. Solar energy can be converted into useful energy even in central European regions, because the supply of solar energy is limitless. It offers complete independence and enables decentralised provision of energy.

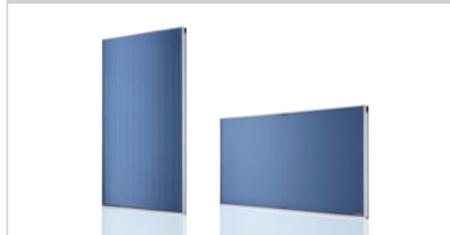
Insolation during the course of a year

**Let the sunshine in**

The sun shines with varying intensity. On summer days between May and September, the maximum insolation per day is about 7.5 kWh per square metre. Even on a sunny winter's day, up to 3 kWh of irradiance is available per square metre. The sun therefore provides us with sufficient energy all year round.

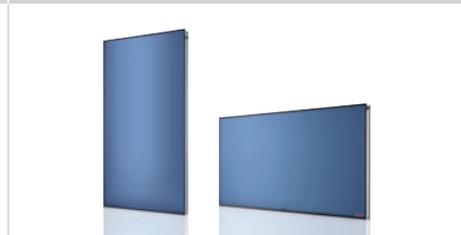
SOLAR COLLECTORS

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PREMIUM

Page 08



TREND

Model	SOL 27 premium S	SOL 27 premium W	SOL 27 basic S	SOL 27 basic W
Version	Rooftop	Rooftop	Rooftop	Rooftop
Collector type	Flat-plate collector	Flat-plate collector	Flat-plate collector	Flat-plate collector
Design	Vertical	Horizontal	Vertical	Horizontal
Angle of inclination	20°...85°	20°...85°	20°...85°	20°...85°
Anti-reflection glazing	■	■		
Efficiency	82 %	83 %	79 %	79 %
Profi-Click connection technology	■	■		
Tiled roof	■	■	■	■
Slate/shingle roof	■	■	■	■
Plain tiles	■	■	■	■
Flat roof/wall	■	■	■	■
Corrugated roof	■	■	■	■



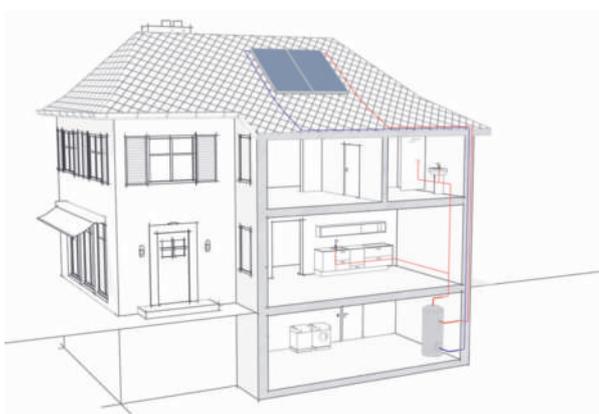
SOL premium S/W

PREMIUM PERFORMANCE IN EFFICIENCY AND WORKMANSHIP

The SOL 27 premium converts up to 83% of insolation into usable heat. This collector achieves excellent efficiency levels which saves energy and money. The precise interaction between proven technology and innovative, high grade materials, such as the plug-in connection made from weather-resistant stainless steel, makes this collector particularly durable.

Perfectly matched

The slimline frame casing is designed so that several collectors can be connected on the roof to create a uniform appearance, using the innovative Profi-Click plug-in connection system. The anti-reflection glazing allows these collectors to blend harmoniously into any architectural design. Furthermore the flexible option of installing these collectors horizontally or vertically enables the optimum utilisation of the given roof layout.



Benefits for your home

- › Maximum yields from efficiency of up to 83%
- › Cost savings through reduced installation time
- › High output for reduced payback time
- › Flexible installation options enable optimum utilisation of each individual roof
- › Highest quality from high grade materials



011-751294 F

	PREMIUM	
Model	SOL 27 premium S	SOL 27 premium W
	230016	230017
Height/Width/Depth	mm 2171/1171/96	1171/2171/96
Weight	kg 40	40,5
Casing material	Aluminium, salt water resistant	Aluminium, salt water resistant
Collector connection	22 mm plug-in connection	22 mm plug-in connection
Angle of inclination	20°...85°	20°...85°
Total area	m ² 2.54	2.54
Aperture area	m ² 2.39	2.39
Absorber area	m ² 2.38	2.38
Efficiency	% 82.3	82.5

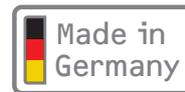
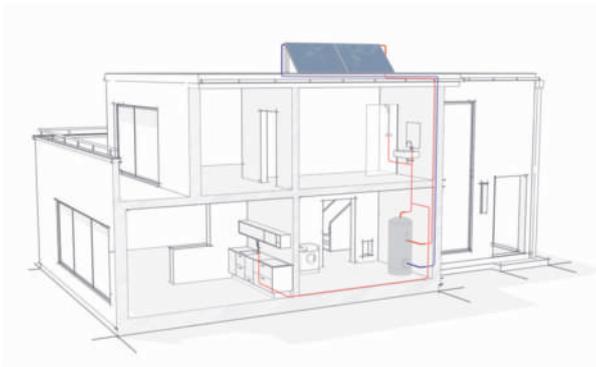
SOL basic (W)

STARTER PACKS FOR SOLAR DOMESTIC HOT WATER HEATING

The standard model SOL 27 basic is just a little less efficient but all the more affordable. Its efficiency of 79% and solid workmanship guarantee an excellent price/performance ratio.

Fits easily into its surroundings

The light weight of the SOL 27 basic collector – only 38.5 kg – coupled with the vertical or horizontal installation options, offer many forms of installation in order to provide optimum utilisation of different roof layouts.



011-751293 F

SOL 27 basic

Benefits for your home

- › Efficiency up to 79%
- › Slim frame construction
- › Short installation time through quick-fixing system and prepared hydraulic connections
- › Suitable for numerous types of installation

Model	TREND	
	SOL 27 basic	SOL 27 basic W
	228927	230912
Height/Width/Depth	mm 2168/1168/93	1168/2168/93
Weight	kg 38.5	39.2
Casing material	Aluminium.	Aluminium.
Collector connection	salt water resistant	salt water resistant
Collector connection	G 3/4	G 3/4
Angle of inclination	20°...85°	20°...85°
Total area	m ² 2.53	2.53
Aperture area	m ² 2.39	2.39
Absorber area	m ² 2.38	2.38
Efficiency	% 79	79



Accessories

DISCOVERING POSSIBILITIES

Our extensive range of accessories allows all our appliances to be adjusted to your personal requirements – for tailor-made comfort. These adaptations can range from the control unit of a single appliance to a complex system – STIEBEL ELTRON offers everything from a single source. For that reason, all components are perfectly matched to each other and guarantee a long service life for lasting solutions. For further information on our extensive range of accessories for your STIEBEL ELTRON products, see www.stiebel-eltron.com or speak to your local trade partner.

Solar control units

For all system sizes

The SOM 8 plus solar controller is used in small and large systems for DHW heating, central heating backup and swimming pool water heating.



For one or two consumers

The SOM 7 E plus solar controller is specifically designed for high efficiency pumps in standard solar thermal systems for DHW heating and central heating backup.



Solar compact installation

Already equipped with a high efficiency pump

Our solar compact installations made from high grade materials ensure an even more efficient DHW provision and guarantee a long service life.



Solar-Set

As individual as your system

STIEBEL ELTRON offers perfectly matching solar sets for any building project. This allows all efficiency benefits to be utilised to optimum and convenient effect.



We speak one language the world over: German engineering

STIEBEL ELTRON is a global company with German roots. We aim to impress with innovations and quality – worldwide. We are represented with six production facilities, 26 subsidiaries and agencies in over 120 countries.

We consider ourselves a partner in the market and focus on requirements. Accordingly, we conceive ideas and develop products that suit each particular market and the ways in which people actually live. With our high level of vertical manufacturing, spirit of invention and unwillingness to settle for the first solution to a problem, we ensure the quality of our products worldwide.

We believe the best solutions arise in an environment where both engineering excellence and outstanding employees with exacting quality standards are appreciated.

The future – made by STIEBEL ELTRON



STIEBEL ELTRON

Your local trade partner:

Have we sparked your interest? For further information, see www.stiebel-eltron.com or consult your local trade partner.



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