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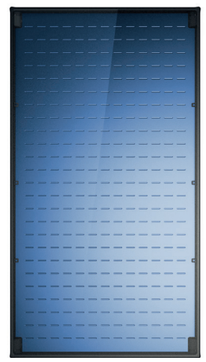
BOSCH
Invented for life

Solar Thermal Systems



Solar Termal Systems

The Energy of The Nature at Home!

Solar energy is a renewable resource that can provide all the energy needed in the world on its own, when used properly. Middle East countries are located in a region that is rich in solar radiation. Therefore, we aim to encourage the use of solar energy in all the residential areas. Bosch Solar Energy Systems are based on reducing environmental damage and providing the highest e ciency not only during the operation phase but also during production process phase and after life phase.

How do solar water heating systems work?

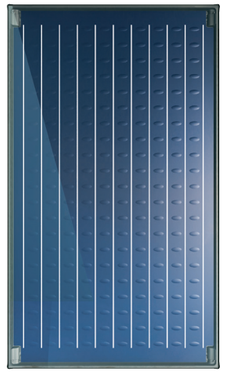
Solar water heating systems use solar panels (called collectors) to collect the heat from the sun which is then used to heat up the water stored in a hot water cylinder. A boiler is then used, when required, to further heat the water to the desired temperature.
The panels are mounted on a surface which is selected for its exposure to sunlight. These are usually connected, via pipe work, to the lower coil of a twin-coil solar cylinder. Bosch Solar Collectors form part of a system which remains separate from the boiler heating system.

FT Solar Collector

Flat plate collector Bosch FT, provides hot water and heating for larger STS-systems

- Optimized esthetical design due to invisible omega welding on the alu-absorber
- Up to 24 m² aperture area in one row and in one field
- Made in Wettringen / Germany
- Horizontal or vertical, on roof, in roof, flat roof and facade installation possible
- Highest robustness due to one-piece fibre glass body and meander absorber
- Easy to handle due to handles in the body and push fitting technology

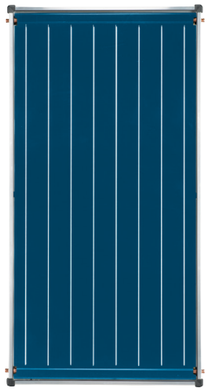
FKC Solar Collector



Thanks to Bosch FKC Solar Collectors, to use solar energy is now very easy in the truest sense of the word. For the case of the new flat-plate collector FKC of Bosch, consists of fiberglass reinforced plastic.
Therefore the collector is not only very durable and stable, but also weighs less than compared to traditional collectors. Thanks to its light construction, the new flat plate collector can be fitted on the roof without much effort. The one-piece fiberglass housing provides maximum protection against corrosion, wind and other weather conditions.

- Cost value optimized collector for hot water production and heating support
- Fast field connection due to well thought through connection accessories
- Easy handling on the roof due to handles in the body
- Made in Wettringen / Germany
- Horizontal or vertical, on roof, in roof, flat roof and facade installation possible
- Highest robustness due to one-piece fibre glass body
- Alu absorber and optimized esthetical design

FCC Solar Collector



With aluminium alloy frame, harp ow channel design, selective coating, Bosch FCC Solar Collectors gives you extreme comfort for your solar thermal system needs.

- Cost optimized collector for smaller applications for hot water production only
- Fast field connection due to well thought through connection accessories
- Optimized aperture area for hot water production applications
- Made in Wettringen / Germany
- Vertical, on roof and flat roof installation possible
- Alu framing and absorber
- Perfect for TSS and pump forced systems

Technical Specifications

Product line	Unit	FCC 220	FKC		FT 226	
Installation type		Vertical	Vertical	Horizontal	Vertical	Horizontal
Gross area	m²	2,09	2,37	2,37	2,55	2,55
Aperture area	m²	1,94	2,25	2,25	2,43	2,43
Absorber area	m²	1,92	2,18	2,18	2,35	2,35
Absorber type / coating		Al-Cu/PVDCoating	Al-Cu/PVDCoating		Al-Cu/PVDCoating	
Casing		Al	Fiberglass		Fiberglass	
Weight	kg	30	40	40	45	45
Dimension	mm	1032 x 2026 x 67	1175 x 2017 x 87	2017 x 1175 x 87	1175 x 2170 x 87	2170 x 1175 x 87
Max. operating pressure	bar	6	6	6	10	10
Efficiency	%	76	77	77	79	80
Solar keymark and CE mark		x	x	x	x	x
On roof installation		x	x	x	x	x
Flat roof installation		x	x	x	x	x
In roof installation			x	x	x	x
Flat sloping roof installation		x	x	x	x	x
Facade installation				x		x

Solar Keymark to EN 12975