

BioEnergieTeam

Solar Collectors



In-roof collectors are harmoniously integrated **in your roof**
On-roof collectors with a fine design are simply installed
on your roof



- Fresh water technology
- Biomass heating systems
- Heat pumps
- Solar Energy

Safe, clean & economic.

It's worth it!

► BioEnergieTeam solar collectors offer great performance and design. The collectors generate energy from sunlight while also adding sophistication to your building. We are all responsible for our planet and for preserving the environment for us and our children. Solar energy is pure energy without any negative side effects. Solar plants conserve valuable fuel resources. A solar plant for domestic water preparation will help to decrease pollution and will reduce energy costs significantly. Thus, a solar plant improves the value of each and every home.

Comfortable warmth – safe, clean and economic

Solar energy systems enable you to support hot water and heating without any energy generation costs. In winter, water can be additionally heated with pellets or a heat pump. The environmentally friendly solution is also state of the art when it comes to low-energy households, such a system with heating support will produce energy savings of 25 to 50%.

Design & Function

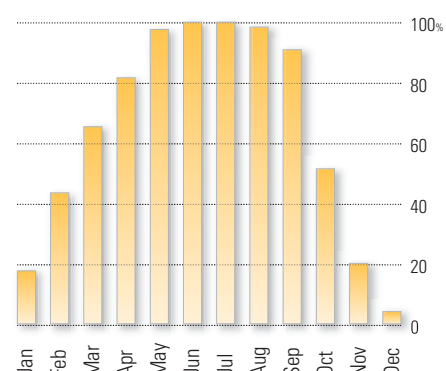
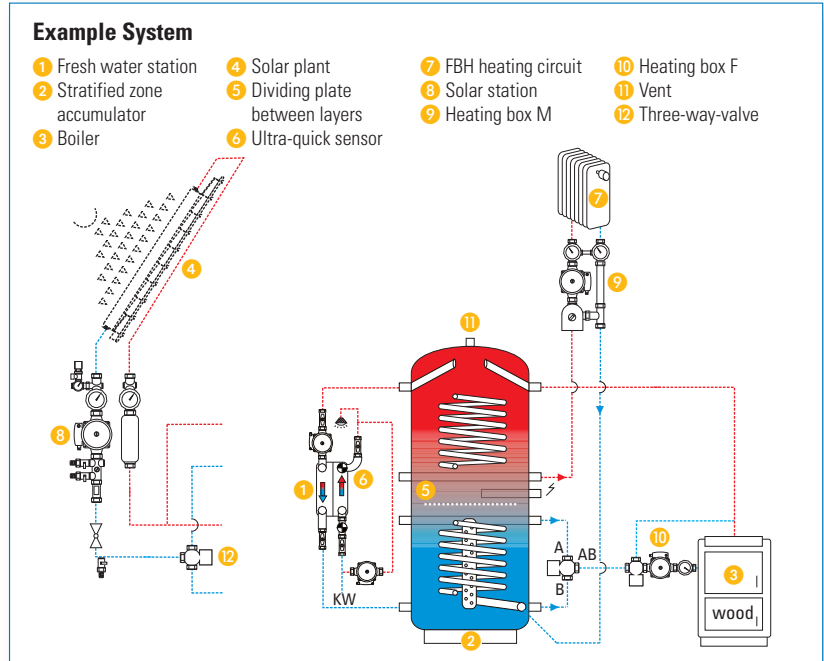
The BioEnergieTeam collectors combine best design with great performance. Heat generation is optimised by the 50 mm thick heat insulation to ensure high efficiency. Heating systems using solar energy work more efficient over a long period. They are considerably more efficient than comparable heating systems without a solar plant.

Quick Installation Saves Costs

Due to their low weight and sophisticated installation method, BioEnergieTeam collectors can be installed easily and quickly. The different steps are described in the illustrated installation guide.

Guaranteed Quality

All BioEnergieTeam systems convince with their high efficiency, short amortisation periods and their great price-performance ratio. Using high-quality resources ensures that the products will be of high quality.



Coverage over the year
The BET solar plant covers approx. 60 – 70 % of the energy requirement for hot water preparation over the year.

In-roof or on-roof –

that is the question.



Different sizes integrated in the roof

The BioEnergieTeam collectors are an ideal product to be installed in the roof. The solar collector is available in a standard size of 2.25 m² (GKEC) or 4.5 m² (GKEC doho) and can be expended according to requirements.

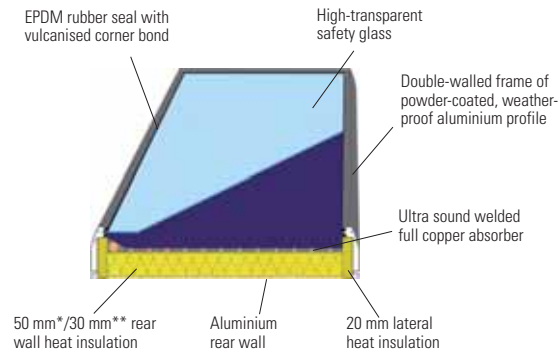
No-Compromise Design

The wood frame construction is pre-fabricated in modules and is well-suited for building collectors. Wood requires less energy and adapts very well to all weather conditions. An aluminium cover system without any visible screws ensures safe sealing and perfect looks. It can be easily opened and sealed again from the outside (without silicone). A full copper absorber with a highly selective coating leads to the most effective use of solar energy. The AR coated, hail-resilient solar glass has great solar radiation and transmission characteristics.

Innovative Design

The BioEnergieTeam on-roof collector convinces with its visually appealing design and great performance. Its robust, powder-coated anthracite aluminium frame looks great and offers best stability and insulation at the same time.

On-Roof Solar Module



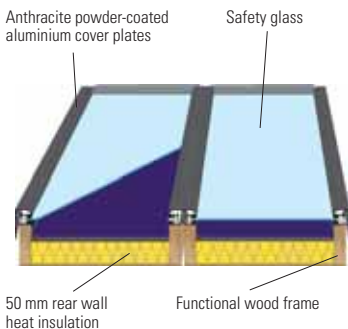
Installation-ready Unit for Each and Every Roof

The BioEnergieTeam on-roof collectors can be delivered in 2.253m² modules for vertical or horizontal installation. They are suitable for on-roof installation or free set up. BioEnergieTeam solar on-roof collector brackets can be ordered in the desired set-up angle. Mounting devices are available for gated eternit, eternit panel and flat roofs.

Advantages

- ✓ Easy and quick to install
- ✓ Can be set up freely
- ✓ Can be put on stand where required

In-Roof Solar Module



Simple and quick installation

The laser cut anthracite-coloured aluminium plate frame is ready for assembly and can easily be integrated in tiled or eternit roofs. It is visually appealing and have a perfectly water-tight connection to the roof surface.

Advantages

- ✓ Easy and quick to install
- ✓ No silicone, no visible screws = resilient
- ✓ Visually appealing integration into the roof



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BioEnergieTeam Solar Collectors

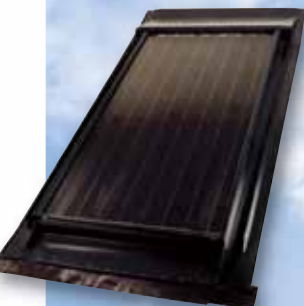
System Overview:

Your BioEnergieTeam solar plant delivers hot water on 240 days per year approximately – even when there is little sun with a collector size of only 1.3 m² per person. In the winter your solar plant will be able to relieve your heating system for warm water preparation. In summer, the BioEnergieTeam solar plant will be able to completely cover the energy requirements for hot water preparation.



Roof-mounted collector

Technical Data:	GKAN*/BioEnergieTeam A1**
Collector Area:	2,25 m ²
Absorber Area:	2,017 m ²
Length:	2100 mm
Width:	1070 mm
Height:	105 mm*/85 mm**
Weight:	48 kg*/45 kg**
Absorber Content (heat carrier):	1,95 litres
Solar Safety Glass:	4 mm
Collector Frame:	Aluminium, double-walled, powder-coated
Operating Pressure (max.):	10 bar



In-roof mounted collector

Technical Data:	GKEC	GKEC doho
Collector Area:	2,247 m ²	4,494 m ²
Absorber Area:	2,024 m ²	4,048 m ²
Length:	2265 mm	4350 mm
Width:	1050 mm	1050 mm
Height:	125 mm	125 mm
Weight:	52 kg	98 kg
Absorber Content (heat carrier):	1,95 litres	3,90 litres
Solar Safety Glass:	3,2 mm	3,2 mm
Collector Housing:	wood frame	wood frame
Efficiency:	80,7 %	80,7 %
Idle Temperature:	200° C	200° C
Operating Pressure (max.):	10 bar	10 bar
Connection:	3/4" AG	3/4" AG
Crane Installation:	no	yes

For more information, contact your BioEnergieTeam vendor .
Or contact your local heating specialist.
Subject to technical changes and error



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For your local **BET partner**
refer to:
www.bioenergieteam.eu

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