The time has come.

Electricity + Heat from one solar collector.

Introducing Solar One - the most efficient collector under the sun.
**PREVIOUSLY**
2 separate collectors. Electricity or heat.

**BRAND-NEW**
1 hybrid collector for electricity + heat.

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**REQUIRED ROOF AREA**

- PREVIOUSLY: 2x
- BRAND-NEW: 1x

**YIELD PER YEAR**

- PREVIOUSLY: 50€
- BRAND-NEW: 100€

**INSTALLATION EXPENSES**

- PREVIOUSLY: 
- BRAND-NEW: 

**REDUCTION OF CO2 EMISSIONS**

- PREVIOUSLY: 
- BRAND-NEW: 

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**FROM ONE COLLECTOR**

- HALF OF THE ROOF AREA
- DOUBLE YIELD PER YEAR
- HALF OF THE INSTALLATION EXPENSES
- SIGNIFICANTLY HIGHER REDUCTION OF CO2 EMISSIONS

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**DOUBLE ADDED VALUE.**
HALF THE REQUIRED AREA.

With Solar One hybrid collectors, you can simultaneously harvest electricity from the light and hot water from the heat of our sun. You require half the space compared to two separate systems. Thus, Solar One is the first choice especially for limited roof areas.

**SAVINGS: 900 EURO / YEAR**

- HEAT
- LIGHT

**DEFROST FUNCTION**
for snow-covered collectors
SOLAR ONE
The most efficient solar collector of all time.

DOUBLE ADDED VALUE. HALF THE REQUIRED AREA.

With Solar One hybrid collectors, you can simultaneously harvest electricity from the light and hot water from the heat of our sun. You require half the space compared to two separate systems. Thus, Solar One is the first choice especially for limited roof areas.

30% MORE ELECTRICITY YIELD THAN STANDARD PHOTOVOLTAIC.

Conventional photovoltaic modules heat up to a temperature of up to 90 degrees Celsius thus producing one third less electricity. The hotter the module gets, the poorer its efficiency. Solar One hybrid collectors do not heat up because the heat is dissipated. So it’s a win-win: more electricity and additional heat.

HALF THE WORK. HALF THE INSTALLATION COSTS.

With Solar One hybrid collectors, you have double yield. Compared to two separate systems, you require half the number of collectors for the same output. Mounting half the number of collectors means half the work and thus half the installation costs.

Extremely slim. Extremely efficient.

265 Wp
electricity yield

825 W
heat yield

1676 x 1008 x 63
height x width x depth (mm)

42 kg
weight

More information at: www.3f-solar.com

Defrost function for snow-covered collectors
3F ENERGY ROOF
Electricity + Hot water + Heating

SETS NEW STANDARDS IN DESIGN & ARCHITECTURE.
Unlike conventional photovoltaic modules, Solar One collectors do not overheat. Therefore, they can be directly integrated in your roof and seamlessly installed right up to the roof edges. Result: your energy roof made in one unit without unsightly elevated mounting structures.

SAVING ROOF TILES MEANS SAVING COSTS.
For the so-called flush roof-integrated installation, Solar One collectors are mounted instead of roof tiles. For example, by installing 10 collectors on top of a single family home, 17m² of roof tiles are saved. This means cost savings of more than 1,000 Euro.

100% WATERPROOF AND HAIL-RESISTANT.
3F energy roofs are installed by skilled technicians. A durable custom-designed aluminium substructure dissipates rain and humidity. The rugged Solar One’s double-glazed panels are especially designed to protect the collectors against damage caused by hail etc.

Soon: free electricity and heat*

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* Exemplary calculation for a single family home in greater Vienna with a living space of 150m² for 4 persons. Equipped with 10 Solar One hybrid collectors (price without installation and periphery). Own utilisation: 100% of heat and 70% of electricity. In alpine and southern regions, even quicker amortisation is possible.
There is potential in every facility.

MULTI-STOREY BUILDINGS
with extremely low energy costs for heating and hot water. Interesting for every property developer, and a good reason for any buyer or tenant to move in.

BUSINESSES
can easily reduce their running costs by using renewable energies. Large roof areas as well as high electricity and heating demand mean maximum cost savings.

ARCHITECT-DESIGNED HOUSES
with collectors integrated in the facade which also heat the pool.

The time has come. We only have limited resources of fossil fuels. Their production destroys our habitat and leaves us dependent on politically unstable exporting countries.

Our solution: Producing electricity and heat on the roof and consuming it under the roof with Solar One.

The most efficient collector under the sun.

3F offers individual profitable energy concepts tailored to your property as well as the locally available energy resources.

The Solar One hybrid collector by 3F ensures the best possible use of solar energy.

How much will you save?

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