



## SUNPOWER s.r.o.

Václavská 40/III  
Jindřichův Hradec  
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E-mail: [office@sunpower.cz](mailto:office@sunpower.cz)  
IČO: 26025655  
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Highly effective (96% solar absorption),  
Cu-absorber strips with,  
seawater and dust resistant coating .  
Aluminium frame.

Prismatic solar or special anti-reflex  
solar glass (individual sizes/shapes).  
Standard or individual sizes.

Fit them on the roof, roof integrated,  
on the facade or free in the landscape.

High efficiency during winter months.  
All collectors we offer are of course  
objectively tested and certificated by  
“Arsenal Research” the official Austrian  
testing institute (EN 12975 1,2).



### Construction:

All of the collectors have a static frame (aluminium).  
On the backside we find layer of a  
special non-evaporate insulation material and a metal cover.  
The power of the sun will be collected by the absorber strips  
which give the heat to the Cu-tubes inside of the absorbers.  
The light fall through the front cover – the glass.

There are different kinds of solar glass.

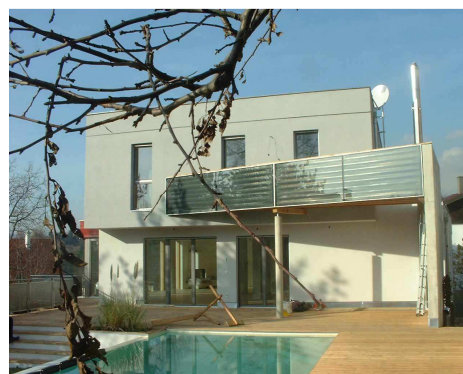
We offer only prismatic or anti-reflex solar glass because  
the quality of the glass is one of the most important factors  
for the efficiency of the collector.



### Use them:

The collectors were used to heat the fluid inside.

This collected energy will be used for heating  
the house and the hot water. Working together  
with climatic walls and good house-insulation  
we are able to heat the house almost  
only with solar energy.





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We have good experience in reduce energy costs of hotels, industrial buildings and private homes in Austria.

Combined with Solar-Plexus Reservoir and Climatic-wall the collectors reduce the need of fossil energy dramatically.

The already existing heating system in the house will be integrated into the solar heating system.

Our collectors are all available in individual sizes and shapes (quadrangular, triangular). A large collector-area changes the character of the house, so the design and the kind of mounting is very important.

### Efficiency:

Maximum efficiency (depends on azimuth and angle) 1100 Watt/h

Maximum temperature (hold) 202°C

Collector flow 15 – 70 litre /m<sup>2</sup>/h

For best resultates in winter we recommend an azimuth of 0° and an angel of 60°.

You avoid overheat the collector in summer and optimise the efficiency in winter. For facade mounted collectors use more m<sup>2</sup>.

### Standard Formats :

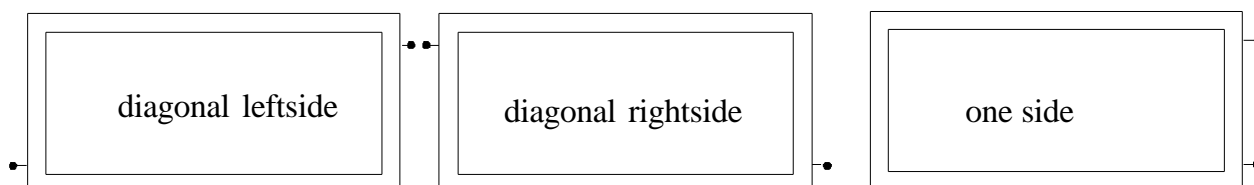
MK2: area 1,83 m<sup>2</sup> (2000 mm x 915 mm x 90 mm; 38 kg)

MK4: area 3,64 m<sup>2</sup> (3975 mm x 915 mm x 90 mm; 80 kg)

MK6: area 5,44 m<sup>2</sup> (5948 mm x 915 mm x 90 mm; 120 kg)

Alu-frame collector with:

- 50 mm rock wool insulation and black glass fleece foil
- side insulation 14 mm
- highly selective absorber
- aluframe with special aeration
- special prismatic solar glass
- 0,8 l /m<sup>2</sup>fluid capacity
- 96% solar absorption; 5% thermal emission
- free, roof (on/in), facade
- individual size and shapes available. Please call us for prices (depends on quantity)
- individual placement of the collector connection : left side diagonal ,right side diagonal ,one side ,so you can save pipe material and you can avoid heat losses





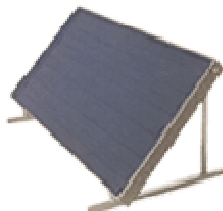
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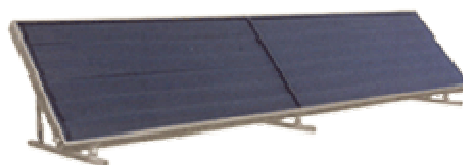
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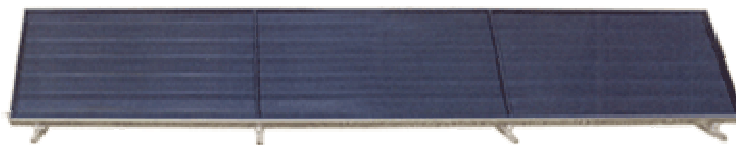
- MK2 – 1.83 m<sup>2</sup>



- MK4 – 3.64 m<sup>2</sup>



- MK6 – 5.44 m<sup>2</sup>



All collector accessories (mounting materials) and control-units available.  
Please call us if you need support for system-design.

**All collectors we offer shows best examination results.  
With our collectors you choose high quality and best efficiency.**

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