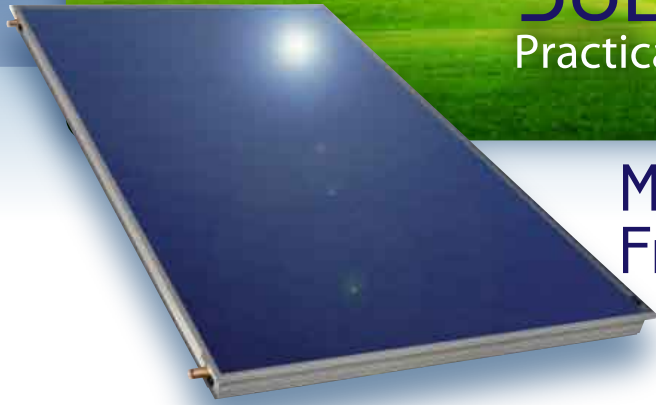


SOLAR COLLECTORS

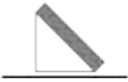
Practical Solar Solutions



MEI- FP2117 Frame Collector

Collector installation options

Flat roof, 45°



On-roof, 20°



On-roof, parallel



Technical data	MEI-FP2117
Collector type	Roof-mounted collector
Overall area [m ²]	2,34
Absorber area [m ²]	2,14
Aperture area [m ²]	2,23
L x W x H [mm]	2000 x 1170 x 73
Weight [kg]	32
Absorber capacity [l]	1,6
Housing	Al-frame
Surface	Al, natural
Back plate	Al-sheet
Absorber	Al, highly selective vacuum coating
Absorption [%]	90
Emission [%]	15
Ø manifold [mm]	22
Ø risers [mm]	8
Connections	blank (compression joint)
Glass	3,2 mm prismatic solar safety glass
Transmittance of glass [%]	89
Insulation	30 mm mineral wool plate
Max. stagnation temperature	234 °C under test conditions
Max. operating pressure	10 bar
Heat transfer medium	Polypropylene glycol / water mixture
Approved installation angle	min. 15°, max. 75°
Standard packaging	12 collectors, horizontal, stackable

The **MEI-FP2117** is the custom-designed collector for regions with maritime and desert-like conditions. It is equipped with a corrosion-resistant absorber, a highly selective coating to combat sea air and an optimized ventilation concept to keep out blowing sand. The **MEI-FP2117** has been designed to withstand 150 km/h winds and 1.25 kN/m² snow loads.

The **MEI Frame Collector** is based on a minimum number of individual components and assembled on a robotic production line. Equipped with a modular mounting system, the **MEI-FP2117** can be used for both flat-roof and on-roof installations.

MEI-FP2117 Product Benefits

- Laser-welded aluminium absorber with a highly selective coating and corrosion protection to combat sea air
- Intelligent ventilation concept to keep out blowing sand and contamination
- Optimal value for money thanks to intelligent product design
- Maximum precision from manufacturing on a robot-controlled production line
- Easy transport and installation thanks to a low total weight of only 32kg and a height of 73mm
- Tempered, low iron solar safety glass
- Installation-friendly mounting system with bench screws for all common types of roofs

We are not responsible for printing errors.
Technical data subject to change without notice.
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