

Using the cutting-edge technology of our new smart factory we took our premium solar collector line to the next level. The M5, whilst maintaining the unique structural sturdiness of its predecessor, raises substantially its performance and is solar-keymark certified as one of the most efficient solar thermal collectors in the market ( $\eta_0 = 80\%$ )



## THE ARCHITECT'S CHOICE

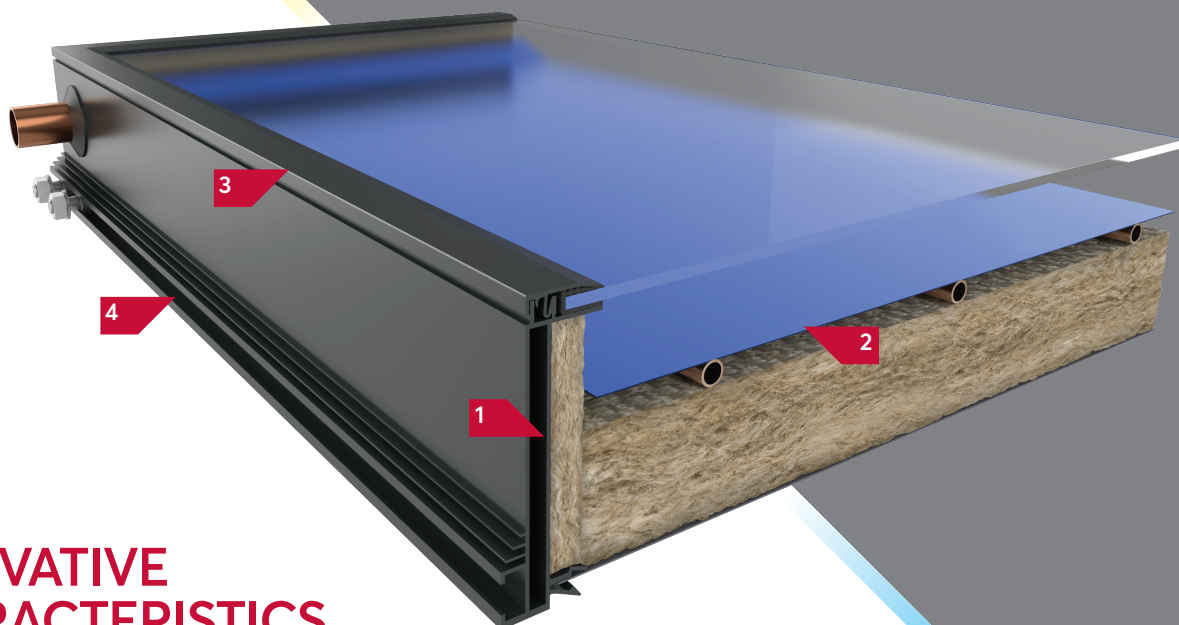
The sturdy frame of the M5 allows it to be supported by two aluminium sticks, offering a neat installation.

Moreover, the M5 remains very efficient even at very low inclinations thanks to its outstanding performance attributes.



# M5

Calpak



## INNOVATIVE CHARACTERISTICS

### 1. Double-wall aluminium profile 2,4mm

This frame offers increased durability and enhanced insulation.

### 2. High performing absorber

Made of a dense harp, with 12 laser-welded copper risers, and 0,5mm full plate ultra-selective surface.

### 3. Boltless construction for clean looks

The glass and aluminium base are compressed so as to form a sturdy totality with a prism-like facade.

### 4. Integrated support attachments for ease of installation and universal compatibility

This collector can easily and safely be adjusted on different types of inclined or flat roof supports.

TECHNICAL SPECIFICATIONS	M5-210	M5-260	M5-260H	M5-300
Dimensions: length, width, height	1696, 1230, 86 (mm)	2111, 1230, 86 (mm)	1230, 2111, 86 (mm)	1996, 1500, 86 (mm)
Weight	36 kg	42 kg	42 kg	48 kg
Gross area	2,09 m <sup>2</sup>	2,60 m <sup>2</sup>	2,60 m <sup>2</sup>	3,00 m <sup>2</sup>
Absorber surface	Full Plate - High Selective ( $\alpha > 95\%$ , $\epsilon < 3,5\%$ )			
Absorber material	Copper Harp / Aluminium Surface			
Absorber welding	Laser			
Casing material	Double-wall aluminium profile 2,4mm			
Insulation	Rock wool 50 kg/m <sup>3</sup>			
Glass cover	Tempered 3,2mm / Low-iron ( $T > 91,5\%$ )			
Optical efficiency ( $\eta_0$ )	79,5%	79,5%	79,5%	80%
Thermal loss coefficient ( $U_t$ )	3,75 W/(m <sup>2</sup> K)	3,75 W/(m <sup>2</sup> K)	3,75 W/(m <sup>2</sup> K)	3,27 W/(m <sup>2</sup> K)
Annual output (Würzburg @ 50°C)	1.026 kWh	1.277 kWh	1.277 kWh	1.552 kWh

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