

FK8203 Specification



The Versatile FK8203 Flat Plate Solar Collector from CoolSky is a light-weight Aluminium frame collector. Specially designed and manufactured to keep the number of individual components to a minimum but still providing optimal output.

The FK8203 collector contains a highly selective coated aluminium absorber.

Versatility is at the heart of the FK8203 concept, and the collector is equipped with a modular mounting system, enabling them to be used for installation on flat-roof, in-roof and roof-mounted projects.

Collector Installation Options



Flat Roof 45°



On-Roof Parallel



In-Roof Flush Mounted

FK8203 Technical Data	
Collector Type	Frame Collector
Gross Area [m ²]	2.02
Absorber Area [m ²]	1.84
Aperture Area [m ²]	1.84
L x W x H [mm]	1730 x 1170 x 83
Weight (Empty) [kg]	35
Absorber Fluid Capacity [Ltrs]	1.56
Housing	Aluminium Frame
Surface	Natural Aluminium
Back Plate	Aluminium Sheet
Aluminium Absorber Sheet	Highly Selective Coating
Absorber Absorption [%]	95
Absorber Emission [%]	5
Manifold Pipes Ø [mm]	22
Collector Riser Pipes Ø [mm]	8
Hydraulic Connections	4 x 22mm Compression Fittings
Tempered Safety Glass	3.2mm with black frame design
Glass Transmittance [%]	90
Insulation Thickness	40mm Mineral Wool
Max. Stagnation Temperature	192 °C
Max. Operating Pressure [bar]	10
Solar Fluid	Propylene glycol / water mix
Approved Installation Angle	Min 15°, Max 75°

CoolSky FK8203 Product Benefits

Unique visual appeal with black-frame solar glass

Optimal value for money thanks to the intelligent product design based on a minimum number of individual components

For roof-mounting, in-roof or flat-roof with an ability to install in-roof up to 6 collectors in a row

Roof-mounting available for all common types of Roof

Fastest possible installation times based on an intelligent mounting concept with Slot-Hammerhead-Screw-System

Maximum precision thanks to manufacturing on a fully automated production line

Solar Keymark and MCS certification with 10 years warranty from date of manufacture as standard.

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FK8203	81.4%	4.061	0.013

EN12975 Performance Figures (Based on Aperture Area)