

SOLAR COLLECTORS

SUPERLINE XL USB SOLAR COLLECTOR

Superline XL USB collectors are manufactured under high quality conditions. Contains sputtered blue high selective copper absorber surface to get the best performance under poor solar radiation.

Technical information

Absorber: High selective coated copper surface with copper tubes

Front cover: Tempered low-iron solar glass with high transmittance

Frame: Electrostatic powder coated aluminium extrusion profiles

Insulation: Rockwool



Specifications

Type	Superline XL USB	
Specification	Unit	Values
Dimensions (lengthxwidthxheight)	mm	2310x1204x99
Gross area	m ²	2,78
Aperture area	m ²	2,72
Absorber area	m ²	2,54
Cover thickness	mm	4
Cover material		tempered low-iron solar glass
Riser tubes material		copper
Riser tubes diameter	mm	Ø 8
Number of riser tubes	pcs.	10
Manifold tubes material		copper
Manifold tubes diameter	mm	Ø 22
Absorber type		grid (parallel)
Absorber surface material		blue selective coated copper
Absorbance of absorber surface		0,95±0,02
Emittance of absorber surface		0,05±0,02
Empty weight of collector	kg	49
Frame material		electrostatic powder coated aluminium
Insulation material		rock wool
Insulation thickness lateral/rear	mm	25/40
Fluid volume of absorber	lt	1,64
Allowed heat transfer fluid		glycol
Maximum working pressure	bar	9
Sealing material		EPDM
Optical performance of collector (eta 0)	%	70,4
Heat transfer coefficient (a1)	W/m ² K	3,555

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