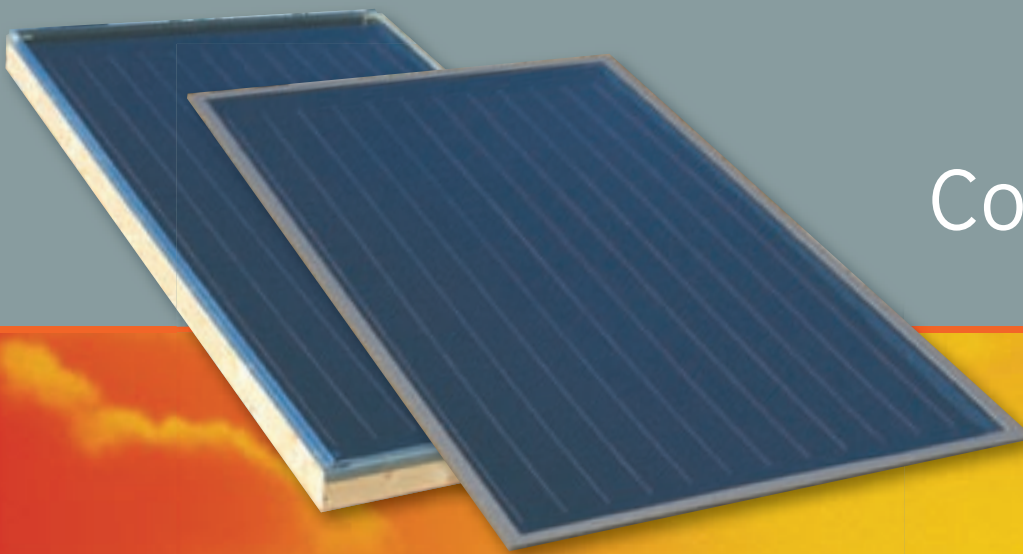


SONNENKRAFT®



Collectors



THE FUTURE OF ENERGY

www.sonnenkraft.com

SK500 roof-mounted collector

The main advantage of this collector is its ability to be used on any roof and in any situation, whether on a flat roof, in a garden, on a building facade or as part of a large system. The structured copper full-surface absorber and its highly-selective vacuum coating, high-quality insulation, edge insulation and the attractive and sturdy aluminium basin make the SK500 one of the best collectors of its type.

Specifications SK500

Name	SK500N	SK500L
Collector type	pre-assembled collector	
Installation type	roof-mounted	
Gross surface area	2.57m ²	
Opening surface area	2.3m ²	
Absorber surface area	2.2m ²	
Height	2079mm	1239mm
Width	1239mm (incl. screw connection: 1257mm)	2079mm (incl. screw connection: 2098mm)
Depth	100mm	
Empty weight	44kg	
Collector capacity	1.6l	
Connections	1" screw connections, upper left and upper right hand sides	
Absorber	structure, copper full-surface absorber with highly-selective vacuum coating	
Wiring	harp wiring	
Absorption (α)	0.95	
Emission (ϵ)	0.05	
Housing	aluminium basin	
Heat insulation	50mm mineral wool insulation, incl. edge insulation	
Collector glazing	3,2mm tempered, low-iron solar safety glass	
No. plates	1	
Conversion factor η_0	0.82	
Angle adjustment factor K_{50°	0.95	
Minimum output	525kWh/(m ² a)	
Max. operating pressure	10 bar	
Idle temperature	180° C plus ambient temperature	
Recommended throughput	15 - 40l/h per m ²	
Module wiring	max. 6 in series	
Min. collector angle	15°	
Max. collector angle	75°	

Mounting systems SK500



Bench screw SSP



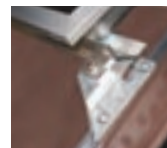
Roof brackets DBP



Cement ballast BBALSK



Support plate BDA

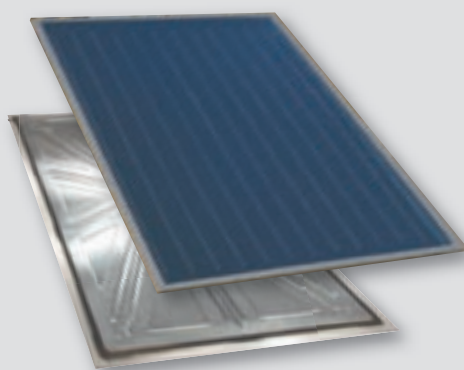
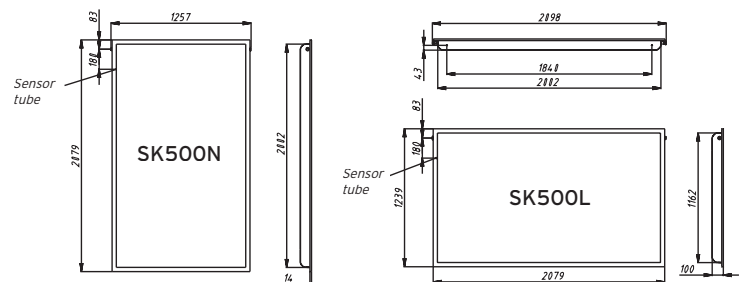


Saddle clamp FKP

Mounting SK500

All hardware and sheet metal is prefabricated by SONNENKRAFT and the unit is delivered with a full set of accessories. You can install the collector yourself. Easy-to-understand instructions are provided.

Dimensions SK500



Features of SK500 roof-mounted collector

- Elegant 2.5m² units, suitable for all types of assembly
- Highly-selective vacuum absorber coating heats water to high temperature in rapid time
- Hail-resistant solar glass
- Weather-resistant materials mean long service life
- Structured absorber entirely of copper with highly-selective coating
- Elegant, deep-drawn aluminium basin
- Side wall insulation
- High-quality rear wall insulation using 50mm thick, non-decaying mineral wool
- Easy-to-install detachable screw connections
- Available with four connections for larger installations (SK500N4)



Registration number SK500L 01175070 F
Registration number SK500N 01175068 F

Subject to typesetting and printing errors.
Technical changes may be made without prior notice.

Edition: 2007/12