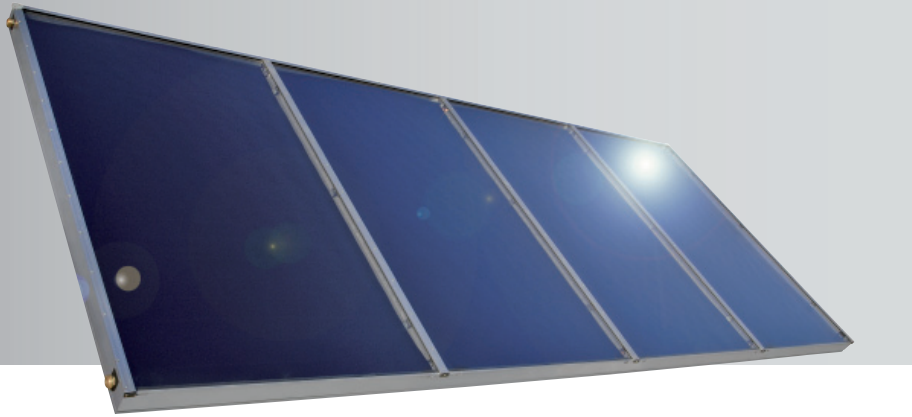


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## GK 3000 Series Large-size Collectors



GREENoneTEC manufactures large-size collectors of the GK 3000 series in the standard sizes 5 m<sup>2</sup> and 10 m<sup>2</sup>. The special design of the absorber and the attractive performance data make these collectors ideal for large solar thermal systems. The optimized mounting system, which permits time-saving installation by crane, and simple connection considerably reduce the overall time and effort required to install the system.

### Collector installation options

Flat roof, 30 °

Flat roof, 45 °

Flat roof, 60 °

On roof, parallel



Technical data	GK3100	GK3500
Collector type	Large-size collector	
Overall area [m <sup>2</sup> ]	10,05	5,03
Absorber area [m <sup>2</sup> ]	9,17	4,59
Aperture area [m <sup>2</sup> ]	9,43	4,69
L x W x H [mm]	4867 x 2064 x 114	2441 x 2064 x 114
Weight [kg]	170	90
Absorber capacity [l]	9	4,5
Housing	Al-frame	
Surface	Al, natural	
Back plate	Al-sheet	
Absorber	Al, highly selective vacuum coating	
Absorption [%]	95	
Emission [%]	5	
Ø manifold [mm]	28	
Ø risers [mm]	8	
Connections	1 ¼ external thread (including anti-rotation element)	
Glass	3.2 mm tempered solar safety glass	
Transmittance of glass [%]	91	
Insulation	50 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. 25°, max. 75°	
Standard packaging	6 collectors, vertical	

### GK 3000 product benefits

- Up to 10 collectors can be connected in parallel or in series with each other with minimum pressure loss (Low Flow / Tichelmann)
- Optimal stagnation and draining behaviour thanks to the serpentine absorber designed for large systems
- Aluminium frame collector with a high degree of long-term stability satisfies all static requirements as per DIN 1055
- Time-saving collector installation thanks to optimized support triangles with support rails as well as simple collector connections
- Excellent value for money thanks to aluminium absorber with highly selective coating as well as minimum crane use and installation time to set up the system
- Easy to service since glass covers and modules can be individually replaced



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Aesthetic Design //  
Quality // The Latest Technology //  
for our Customers

## State of the art Collectors

Aesthetic design and numerous environmental and innovation awards distinguish our range of collectors. Each individual series of collectors is a customized OEM version, and more than one hundred different collector variants and installation solutions are possible. All in all, state of the art tested quality for our customers.

