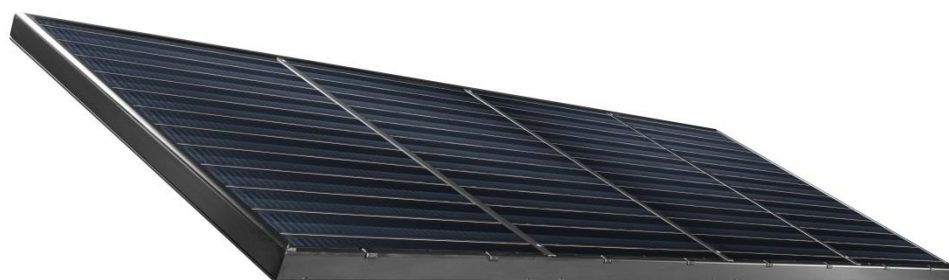
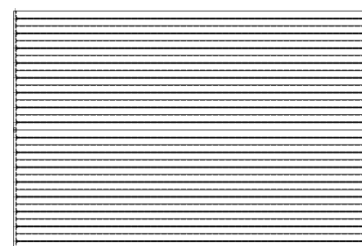


gigaSol



Absorber



Register number 011-7S2214 F

Assembly:	
Application:	On-roof / free-standing / in-roof
Glass (transparent cover):	Hardened, hail proof (HW 3), structured solar glass, 3,2 mm, with little iron content, with low reflection, interchangeable glass cover
Absorber:	Ultrasonically welded full-copper stripe absorber with intelligent hydraulics, high-selectivity coating Absorption 95 % +/- 2 %, Emission 4-5 %
Frame:	Strong, attractive double-walled powder coated aluminium frame, no visible screws, welded; with special ventilation system and strengthened middle strip
Rear wall:	Made of aluminium
Rear wall insulation:	50 mm of degassing-free mineral wool
Side insulation:	20 mm of degassing-free mineral wool
Glass sealing:	Durable EPDM triple seal, with integrated webbing thread
Cover system:	With ALU-clip profile - ensures a reliable seal and a great appearance (optic), smoothly to open and resealable
Flashing:	Colour anthracite grey (RAL 7016), available as an accessory, suitable for inclinations of > 23°

Technical data:				
Type	gigaSol 49	gigaSol 72	gigaSol 96	gigaSol 120
Gross area (m ²)	4,83	7,22	9,61	12,00
Aperture area (m ²)	4,40	6,61	8,83	11,05
Absorber area (m ²)	4,15	6,36	8,58	10,80
Height (mm)	2080			
Width (mm)	2320	3470	4620	5770
Depth (mm)	105			
Weight without heat carrier (kg)	75	115	155	195
Total volume of the collector (lt.)	3,7	4,8	5,9	7,1
Max. inclination (°)	75 ^{*)}			
Min. inclination (°)	15 ^{**)}			
Max. operating pressure (bar)	10			
Dimension of manifold (mm)	22 mm			

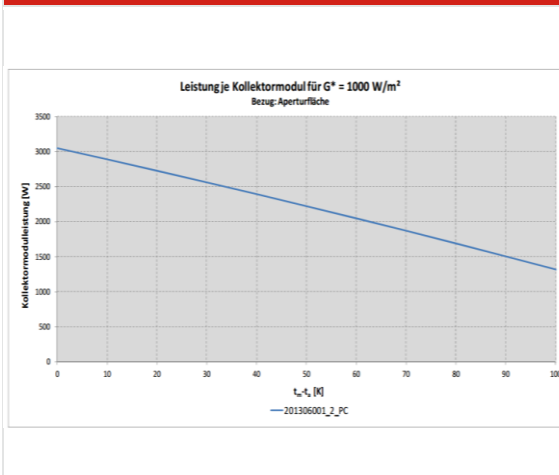
***) On-roof installation: On request also for 90° assembling (e.g. frontage) available!**

****) In-roof installation: Min. inclination when using standard flashing: 23°**

gigaSol

Efficiency values according to EN 12975-2 (Test number ASiC / P-201306001)	
Test collector	gigaSol OR 4
Data reference	absorber area
Conversion factor η_0	0,785
Thermal transmittance coefficient simple a_1	4,057 W/m ² K
Thermal transmittance coefficient square a_2	0,004 W/m ² K ²

Power characteristic (G*Norm = 1000 W / m²)



Power output in Watt (according to EN 12975-2)			
	400 W/m ²	700 W/m ²	1000 W/m ²
¹⁾ $\vartheta_k - \vartheta_a = 10$ K	1061	1976	2891
¹⁾ $\vartheta_k - \vartheta_a = 30$ K	734	1649	2564
¹⁾ $\vartheta_k - \vartheta_a = 50$ K	394	1309	2224

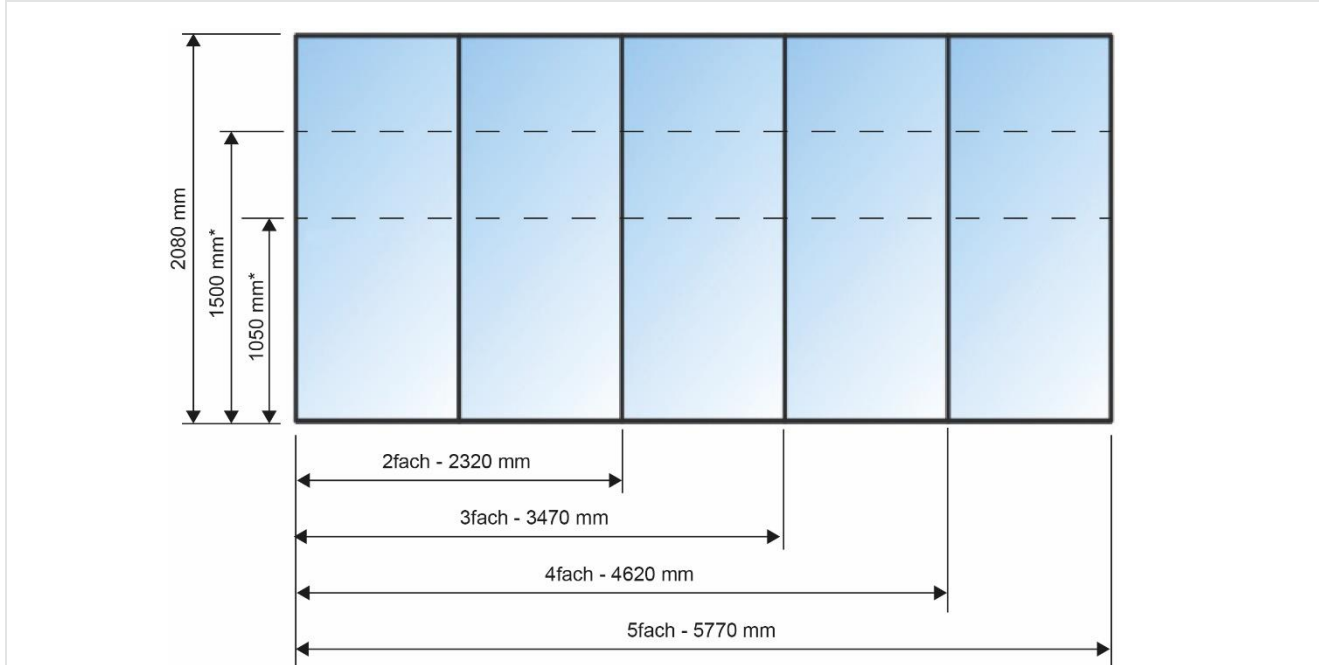
Power output in Watt (at G = 1000 W / m ²)						
Temperature gap	0 K	10 K	30 K	50 K	70 K	
gigaSol 49	3050	2891	2564	2224	1872	
gigaSol 72	4584	4345	3854	3343	2814	
gigaSol 96	6118	5799	5143	4461	3755	
gigaSol 120	7652	7235	6433	5580	4697	

Item No.	Type	Height (mm)	Width (mm)	Depth (mm)	Gross area (m ²)
K066-2	gigaSol 49	2080	2320	105	4,83
K066-3	gigaSol 72		3470		7,22
K066-4	gigaSol 96		4620		9,61
K066-5	gigaSol 120		5770		12,00

NOTE: In case of combination of a couple of gigaSol please declare at the time of order the desired arrangement of the panels!

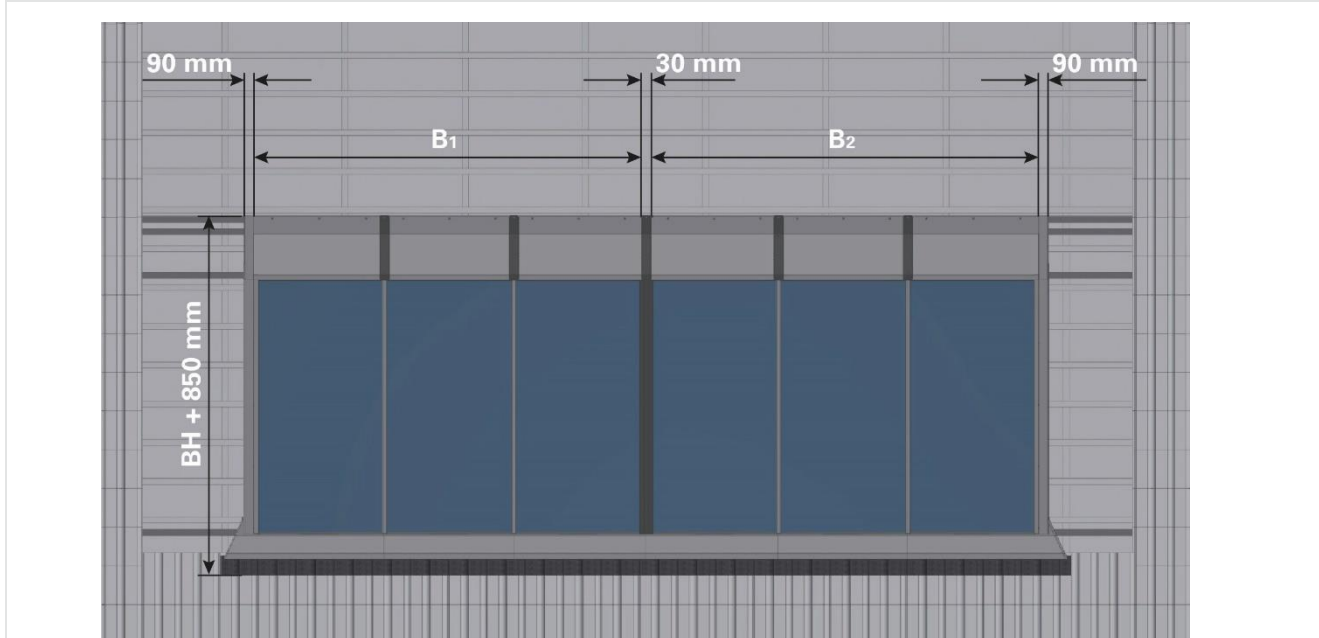
gigaSol

Measurements gigaSol without flashing



* further heights available

Measurements gigaSol incl. flashing



BH ... construction height
B ... collector width