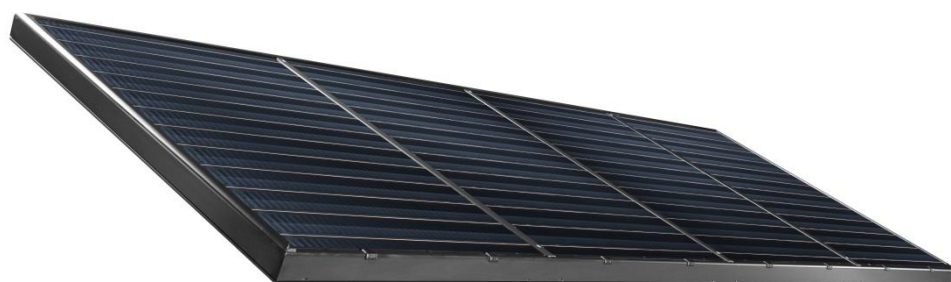
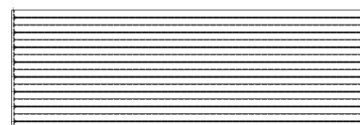


gigaSol H



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 24H	gigaSol 36H	gigaSol 49H	gigaSol 60H
Gross area (m ²)	2,44	3,64	4,85	6,06
Aperture area (m ²)	2,13	3,20	4,28	5,35
Absorber area (m ²)	2,00	3,08	4,15	5,23
Height (mm)	1050			
Width (mm)	2320	3470	4620	5770
Depth (mm)	105			
Weight without heat carrier (kg)	48	68	89	110
Total volume of the collector (lt.)	1,7	2,2	2,7	3,2
Max. inclination (°)	75 ^{*)}			
Min. Aufstellwinkel (°)	15 ^{**)}			
Max. operating pressure (bar)	10			
Dimension of manifold (mm)	22 mm			

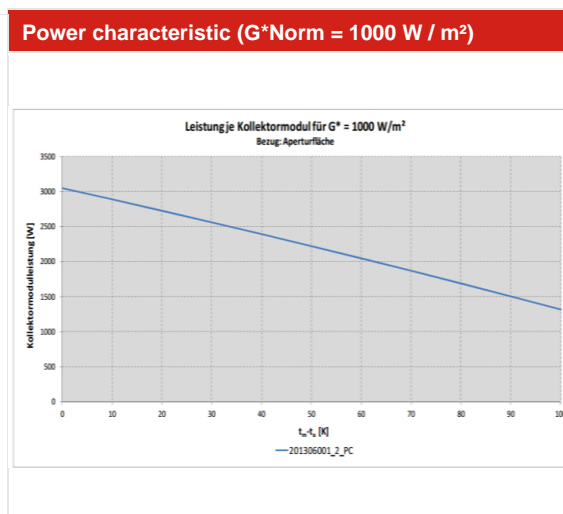
***) On-roof installation: On request also for 90° assembling (e.g. frontage) available!**

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

gigaSol H

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 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



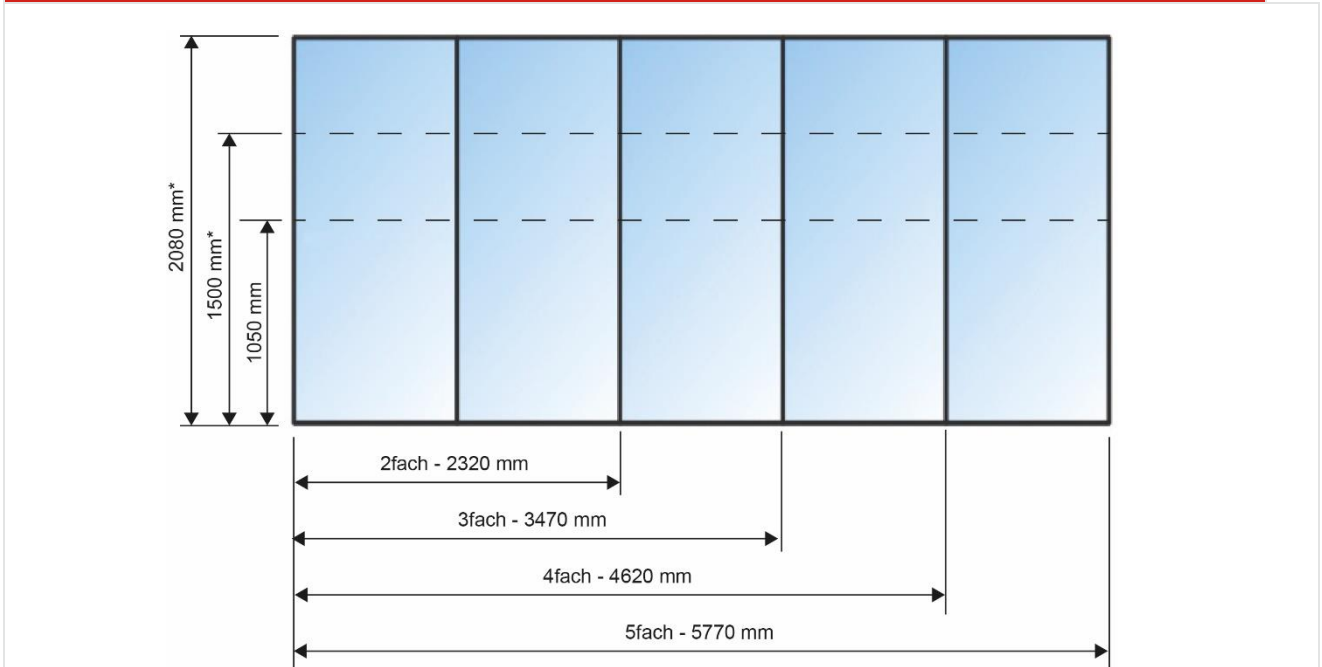
Power output in Watt (at $G = 1000$ W / m ²)					
Temperaturdifferenz	0 K	10 K	30 K	50 K	70 K
gigaSol 24H	1434	1360	1202	1027	836
gigaSol 36H	2155	2043	1806	1543	1256
gigaSol 49H	2875	2727	2410	2059	1676
gigaSol 60H	3596	3410	3014	2575	2096

Item No.	Type	Height (mm)	Width (mm)	Depth (mm)	Gross area (m ²)
K067-2	gigaSol 24H	1050	2320	105	2,44
K067-3	gigaSol 36H		3470		3,64
K067-4	gigaSol 49H		4620		4,85
K067-5	gigaSol 60H		5770		6,06

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

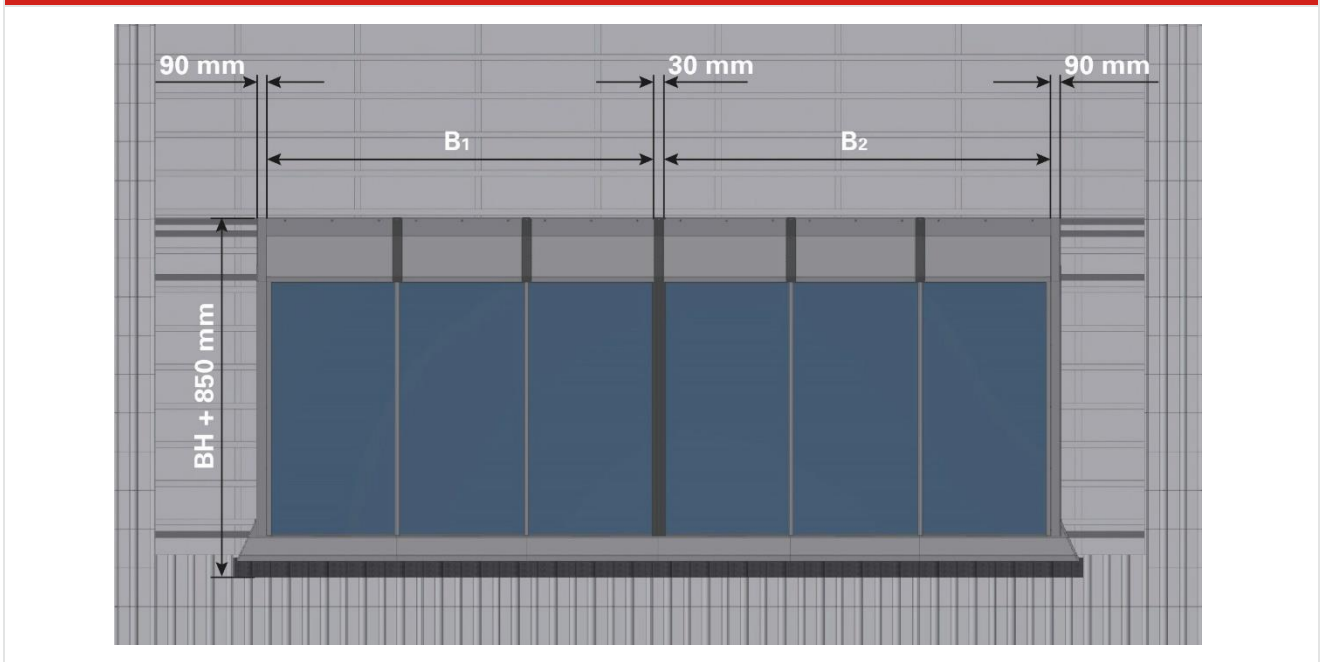
gigaSol H

Measurements gigaSol H without flashing



* further heights available

Measurements gigaSol H incl. flashing



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