

7one Agenda



- 7one Product Benefits
- 7one Collector Specification
 - Efficiency
 - Design
 - Application and Mounting
- 7one Packaging
- 7one Fastening (SS,DB, In-Roof)
- 7one Part Matrix for Installation
- 7one Set Configuration
- 7one Further Customer Advantages



7one Collector Specification



Technical data	Collector type FK 8203	Collector type FK 8253			
Collector type	Frame collector				
Overall area [m²]	2.02	2.51			
Absorber area [m²]	1.84	2.31			
Aperture area [m²]	1.84	2.31			
L x W x H [mm]	1730 x 1170 x 83	2150 x 1170 x 83			
Weight [kg]	35	38			
Absorber capacity [I]	1.56	1.77			
Housing	AI-fi	rame			
Surface	Al, n	atural			
Back plate	Al-sheet				
Absorber sheet	Al, highly sele	ectively coated			
Absorption [%]	9	95			
Emission [%]		5			
Ø manifold [mm]	2	22			
Ø risers [mm]		8			
Connections	4 x blank (con	npression joint)			
Glass	3.2 mm tempered solar safe	ty glass - black-frame design			
Transmittance of glass [%]	9	90			
Insulation	40 mm mine	40 mm mineral wool plate			
Max. stagnation temperature	192 °C under norm conditions				
Max. operating pressure	10 bar				
Proper heat transfer medium	Polypropylene glycol / water mixture				
Approved installation angle	min. 15, max. 75°				
Standard packaging	single packed, 8 collectors vertical				





7one Product Benefits



- Unique visual appeal
- Excellent value for money
 - intelligent product design
- Mounting options up to 6 collectors in a row
 - On-roof
 - Flat roof
 - In-roof



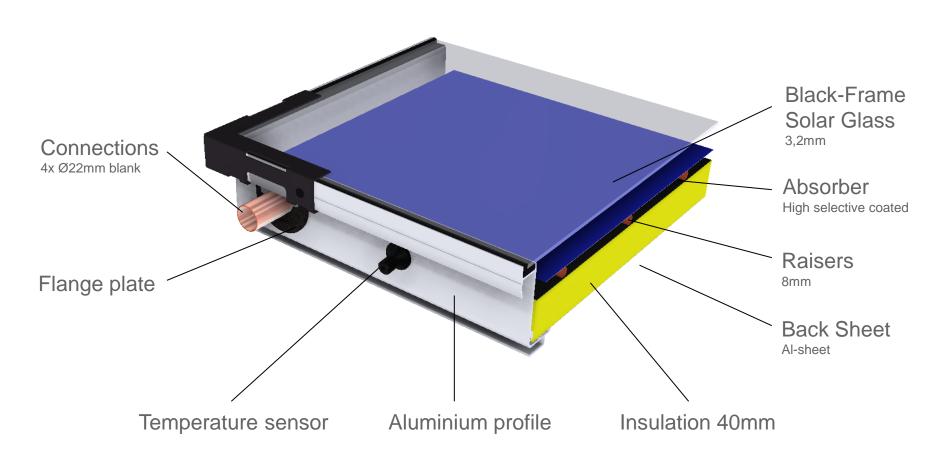
- Intelligent mounting concept fastest possible installation times
- Maximum precision manufacturing on a robot-controlled production line
- Solar Keymark Certificate + 10 years warranty





7one Collector Specification







7one New Collector Design





- Unique visual appeal
 - Black-frame solar glass
 - Wave design
 - No glass cover strips necessary



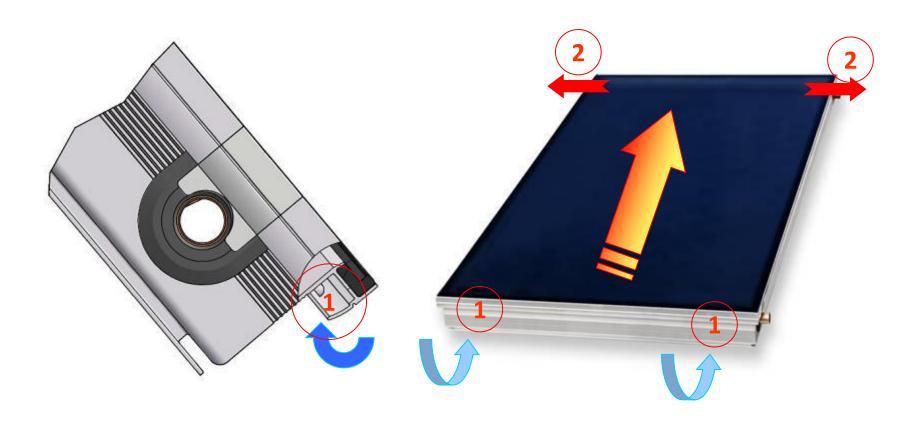


- Minimum distance between collectors (only 55 mm)
- Perfect handling during mounting



7one Ventilation Concept





Ventilation Concept:

- 1. Ventilation opening at the bottom (2x) based on stamp-punching in the frame
- 2. Ventilation opening on the top via flange plate

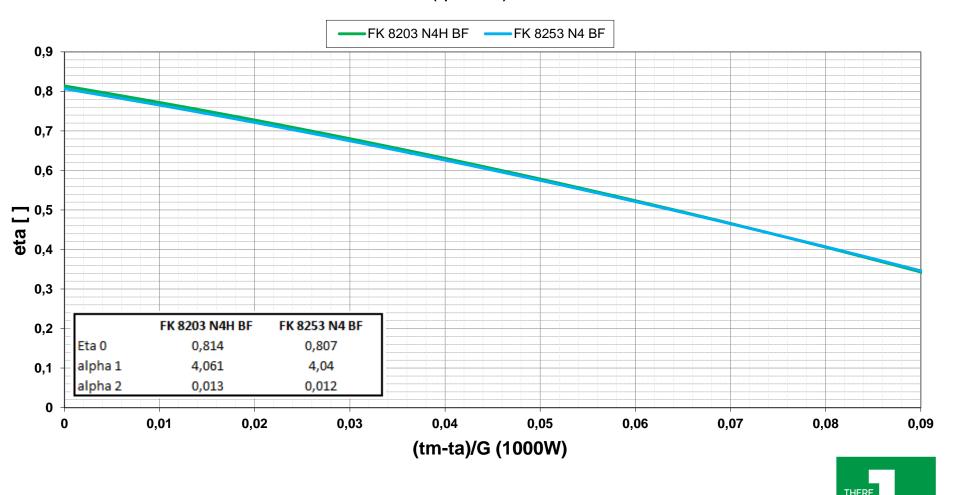


7one Efficiency Data



efficiency curves

(apertur m²)

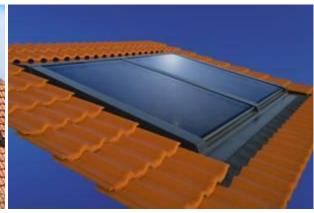


7one Collector Application









Flat Roof

Mounting: 45°

vertical/horizontal

On-Roof

Mounting:

min. 15°- 75°

vertical/horizontal

In-Roof

Mounting:

min. 15°- 75°

vertical; single and

parallel row



7one Packaging



- Packaging Concept VS7:
 - 7 pcs. per Euro-Pallet
 - standing single packed (carton + shrink foil)
 - Collectors with stretch foil fixed on pallet
 - Single picking possible (rest of collectors are fixed by stretch foil)





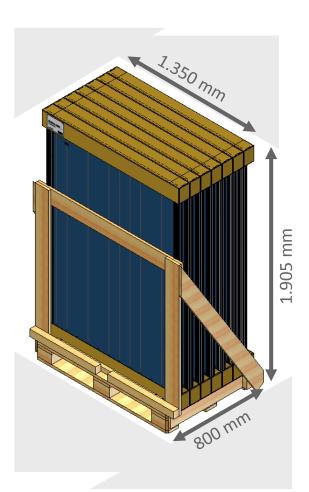








- Minimum order quantity: 6 palletts/42 collectors
- Maximum full-truck load: 30 palletts/210 collectors





7one Customer Specific Labelling



GREENoneTEC Information

Art-No.: 110875.1 / Serial No.: 10/05 - 328

Made in Austria

6903034.1

Customer Specific Information





Customer Logo

Product name Customer

Flate plate collector

 $A_G = 2,02 \text{ m}^2$ $t_{stg} = 234 \text{ °C}$ $V_F = 1,56 \text{ I}$ $p_{max} = 10 \text{ bar}$

m = 35 kg

 $1 \times b \times h = 1,73 \times 1,17 \times 0,83 \text{ m}$

Art-No.: 130761.1

Serial No.:0009

Made in Austria



7one Befestigungsvarianten



Mounting	Flat Roof	On-Roof	In-Roof
Mounting Set	SS45	DB0 / SS0	Metal sheet flashing
Orientation	vertical / horizontal	vertical / horizontal	vertical single and parallel row
Roof tiles		 Clay roofing tile (DB) Crown tile (DB) Slate (SS) Wave cement asbestos (SS) Metal Sheet (SS) 	Clay roofing tile up to 50mm





7one Installation Sets Matrix – 2sqm FK8203

	2.0 m2	FK8203N 4H (2sqm) - vertical (portrait) mounting				
GoT Name	Detailed describtion	2x collector	3 collector	4 collector	5 collector	6 collector
FK8203N 4H	Solar thermal collector	2	3	4	5	6
	Required mounting levels for STANDARD Load (see installation manual)	3	4	5	6	7
TRPN1	Support rail for 1 collector portrait		1		1	
TRPN2	Support rail for 2 collector portrait	1	1	2	2	3
TRPL1	Support rail for 1 collector horizontal					
vs	Support rail connecting bracket set		1	1	2	2
DB0N2	Roof bracket (hook) set for 2 panel installation	1	1	1	1	1
DB0N1	Roof bracket (hook) extension set		1	2	3	4
DB0L1	Roof bracket set for landscape mounting					
DB0L1 ES	Roof bracket extension set for landscape mounting					
SS0N2	Bold screw basic set	1	1	1	1	1
SS0N1	Bold screw extension set		1	2	3	4
SS0L1	Bold screw set for landscape mounting					
SS0L1 ES	Bold screw extension set for landscape mounting					
SS45N2	Bold screw A-frame 45 degree basic set	1	1	1	1	1
SS45N1	Bold screw A-frame 45 degree extension set		1	2	3	4
SS45L1	Bold screw A-frame 45 degree set for landscape mounting					
SS45L1 ES	Bold screw A-frame 45 degree extension set for landscape mounting					
	Fittings					
RE	Roof entering set (2x 700mm flexible pipes with insulation)	1	1	1	1	1
G S	Compression basic set for 2 panels	1	1	1	1	1
ES	Compression extension set		1	2	3	4
GS landscape	Compression basic set for landscape mounting (1x Insulated corrugated tube; length 390 mm)					
ES landscape	Compression extension set for landscape mounting (1x Insulated corrugated tube; length 390 mm)					
	Flashing sets - for vertical (portrait mounting only)					
BS	Flashing basic set for 2 panels	1	1	1	1	1
ES	Flashing extenshin set		1	2	3	4

FK8203N 4H (2sqm) - horizontal (landscape) mounting						
1x collector	2x collector	3 collector	4 collector	5 collector	6 collector	
1	2	3	4	5	6	
2	3	4	7	8	10	
1	2	3	4	5	6	
	1	2	3		5	
	1	2	3	4	5	
1	1	1	1	1	1	
	1	2	3	4	5	
1	1	1	1	1	1	
	1	2	3	4	5	
1	1	1	1	1	1	
	1	2	3	4	5	
1	1	1	1	1	1	
-		'		'		
	1	1	1	1	1	
1		1	2	3	4	



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7one Installation Sets Matrix – 2.5sqm FK8253

	2.5 m2		FK8253N 4H (2.5sqm) - vertical (portrait) mounting			
GoT Name	Detailed describtion	2x collector	3 collector	4 collector	5 collector	6 collector
FK8253N 4H	Solar thermal collector	2	3	4	5	6
	Required mounting levels for STANDARD Load (see installation manual)	3	4	5	6	7
TRPN1	Support rail for 1 collector portrait		1		1	
TRPN2	Support rail for 2 collector portrait	1	1	2	2	3
TRPL1	Support rail for 1 collector horizontal					
vs	Support rail connecting bracket set		1	1	2	2
DB0N2	Roof bracket (hook) set for 2 panel installation	1	1	1	1	1
DB0N1	Roof bracket (hook) extension set		1	2	3	4
DB0L1	Roof bracket set for landscape mounting		-	_		-
DB0L1 ES	Roof bracket extension set for landscape mounting					
SS0N2	Bold screw basic set	1	1	1	1	1
SS0N1	Bold screw extension set		1	2	3	4
SS0L1	Bold screw set for landscape mounting					
SS0L1 ES	Bold screw extension set for landscape mounting					
SS45N2	Bold screw A-frame 45 degree basic set	1	1	1	1	1
SS45N1	Bold screw A-frame 45 degree extension set		1	2	3	4
SS45L1	Bold screw A-frame 45 degree set for landscape mounting					
SS45L1 ES	Bold screw A-frame 45 degree extension set for landscape mounting					
	Fittings					
RE	Roof entering set (2x 700mm flexible pipes with insulation)	1	1	1	1	1
G S	Compression basic set for 2 panels	1	1	1	1	1
ES	Compression extension set		1	2	3	4
GS landscape	Compression basic set for landscape mounting (1x Insulated corrugated tube; length 390 mm)					
ES landscape	Compression extension set for landscape mounting (1x Insulated corrugated tube; length 390 mm)					
	Flashing sets - for vertical (portrait mounting only)					
BS	Flashing basic set for 2 panels	1	1	1	1	1
ES	Flashing extenshin set		1	2	3	4

	FK8253N 4H (2.5sqm) - horizontal (landscape) mounting						
1x collector	2x collector	3 collector	4 collector	5 collector	6 collector		
1	2	3	4	5	6		
2	3	4	7	8	10		
1	2	3	4	5	6		
	1	2	3	4	5		
		2	J	4	3		
1	1	1	1	1	1		
	1	2	3	4	5		
1	1	1	1	4	1		
1	1	2	3	4	5		
		Z	J	4	J		
1	1	1	1	1	1		
	1	2	3	4	5		
1	1	1	1	1	1		
	1	1	1	1	1		
1		1	2	3	4		



7one Support Rail



TRPN1:

2 x support rail vertical collector length fits for one collector

TRPN2:

2 x support rail vertical collector length fits for two collectors

TRPL1:

2 x support rail horizontal collector length fits for one collector





7one Roof Bracket 0° (DB0) vertical



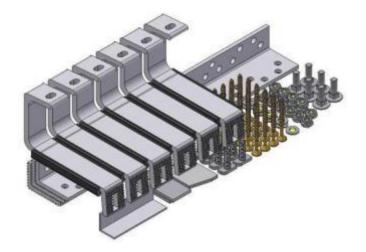
DB0N2 (Basic Set vertical mounting):

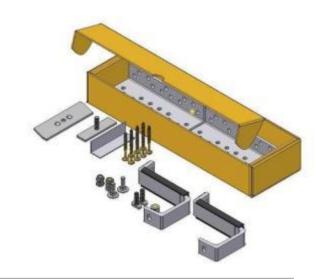
- 6 x roof bracket (incl. lay on rubber)
- 6 x roof bracket console
- 24 x Self-tapping screw 6x60
- 9 x Hammer head bolt M8x25
- 6 x Cup square bolt M8x25
- 9 x Washer M8
- 13 x Hex Nut M8 (thereof 4 x self-securing)
- 1 x Clamping Piece
- 2 x Mounting part, top
- 1 x Mounting jig
- 2 x Mounting instruction

Delivery in carton; small parts in PE-bag

DB0N1 (Extension Set vertical mounting):

- 2 x roof bracket (incl. lay on rubber)
- 2 x roof bracket console
- 8 x Self-tapping screw 6x60
- 2 x Hammer head bolt M8x25
- 2 x Cup square bolt M8x25
- 7 x Washer M8
- 9 x Hex Nut M8 (thereof 4 x self-securing)
- 1 x Clamping piece
- 1 x Mounting part, extension
- 1 x Mounting jig







7one Roof Bracket 0° (DB0) horizontal



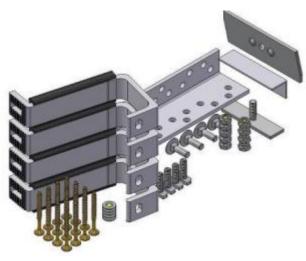
DB0L1 (Basic Set horizontal mounting):

- 4 x roof bracket (incl. lay on rubber)
- 4 x roof bracket console
- 16 x Self-tapping screw 6x60
- 6 x Hammer head bolt M8x25
- 4 x Cup square bolt M8x25
- 6 x Washer M8
- 10 x Hex Nut M8 (thereof 4 x self-securing)
- 2 x Mounting part, top
- 2 x Mounting Instruction
- Delivery in carton; small parts in PE-bag

DB0L1 ES (Extension Set horizontal mounting):

- 4 x roof bracket (incl. lay on rubber)
- 4 x roof bracket console
- 16 x Self-tapping screw 6x60
- 4 x Hammer head bolt M8x25
- 4 x Cup square bolt M8x25
- 5 x Washer M8
- 9 x Hex Nut M8 (thereof 4 x self-securing)
- 1 x Clamping piece
- 1 x Mounting part, extension
- 1 x Mounting jig







7one Bench Screw Set 0° (SS0) vertical GREENoneTEC 1



SS0N2 (Basic Set vertical mounting):

- 6 x Bench screw M12
- 6 x Mounting part
- 6 x Rubber seal M12
- 18 x Washer M12
- 18 x Hex nut M12
- 9 x Hammer head bolt M8x25
- 9 x Washer M8
- 9 x Hex nut M8
- 1 x Clamping piece
- 2 x Mounting part, top
- 1 x Mounting jig
- 2 x Mounting instruction

Delivery in carton; small parts in PE-bag

SS0N1 (Extension Set vertical mounting):

- 2 x Bench screw M12
- 2 x Mounting part
- 2 x Rubber seal M12
- 6 x Washer M12
- 6 x Hex nut M12
- 2 x Hammer head bolt M8x25
- 3 x Washer M8
- 3 x Hex nut M8
- 1 x Clamping piece
- 1 x Mounting part, extension
- 1 x Mounting jig







7one Bench Screw Set 0° (SS0) horizontal solar collectors

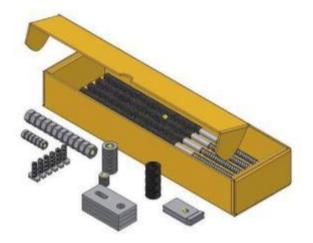
SS0L1 (Basic Set horizontal mounting):

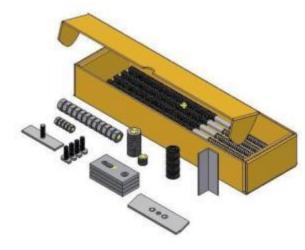
- 4 x Bench screw M12
- 4 x Mounting part
- 4 x Rubber seal M12
- 12 x Washer M12
- 12 x Hex nut M12
- 6 x Hammer head bolt M8x25
- 6 x Washer M8
- 6 x Hex nut M8
- 2 x Mounting part, top
- 1 x Mounting jig
- 2 x Mounting instruction

Delivery in carton; small parts in PE-bag

SS0L1 ES (Extension Set horizontal mounting):

- 4 x Bench screw
- 4 x Mounting part
- 4 x Rubber seal M12
- 12 x Washer M12
- 12 x Hex nut M12
- 4 x Hammer head bolt M8x25
- 5 x Washer M8
- 5 x Hex nut M8
- 1 x Clamping piece
- 1 x Mounting part, extension
- 1 x Mounting jig







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7one Bench Screw Set 45° (SS45) vertical

SS45N2 (Basic Set vertical mounting):

3 x Base bracket

3 x Support bracket

6 x Attachment bracket

6 x Bench screw M12

6 x Rubber seal M12

18 x Washer M12

18 x Hex nut M12

9 x Hammer head bolt M8x25

9 x Hex bolt M8x25

18 x Washer M8

18 x Hex nut M8

2 x Mounting part, top

1 x Clamping piece

1 x Mounting jig

2 x Mounting instruction

Delivery in carton; small parts in PE-bag



SS45N1 (Extension Set vertical mounting):

1 x Base bracket

1 x Support bracket

2 x Attachment bracket

2 x Bench screw M12

2 x Rubber seal M12

6 x Washer M12

6 x Hex nut M12

2 x Hammer head bolt M8x25

3 x Hex bolt M8x25

6 x Washer M8

6 x Hex Nut M8





GREENoneTEC 1

7one Bench Screw Set 45° (SS45) horizontal

SS45L1 (Basic Set horizontal mounting):

2 x Base bracket 2 x Support bracket

2 x Mounting part, top 2 x Mounting instruction

4 x Attachment bracket

Delivery in carton; small parts in PE-bag

4 x Bench Screw M12

4 x Rubber Seal M12

12 x Washer M12

12 x Hex nut M12

6 x Hammer head bolt M8x25

6 x Hex bolt M8x25

12 x Washer M8

12 x Hex nut M8

SS45L1 ES (Extension Set horizontal mounting):

2 x Base bracket

1 x Clamping piece

2 x Support bracket

1 x Mounting part, extension

4 x Attachment bracket

1 x Mounting jig

4 x Bench bcrew M12

Delivery in carton; small parts in PE-bag

4 x Rubber beal M12

12 x Washer M12

12 x Hex nut M12

4 x Hammer head bolt M8x25

6 x Hex bolt M8x25

11 x Washer M8

11 x Hex nut M8

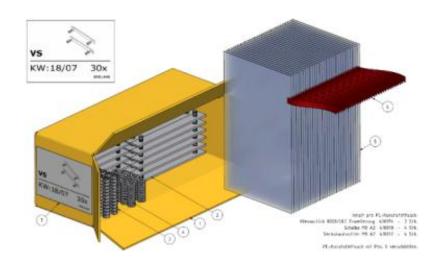


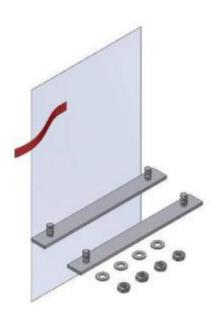


7one Connecting Set



- Connecting Set (necessary to combine the support rail):
 - 2 x Clamping piece extension
 - 4 x Washer M8
 - 4 x Hex nut M8
 - all parts in PE-bag
- Delivery: 30 pcs. connecting sets in carton

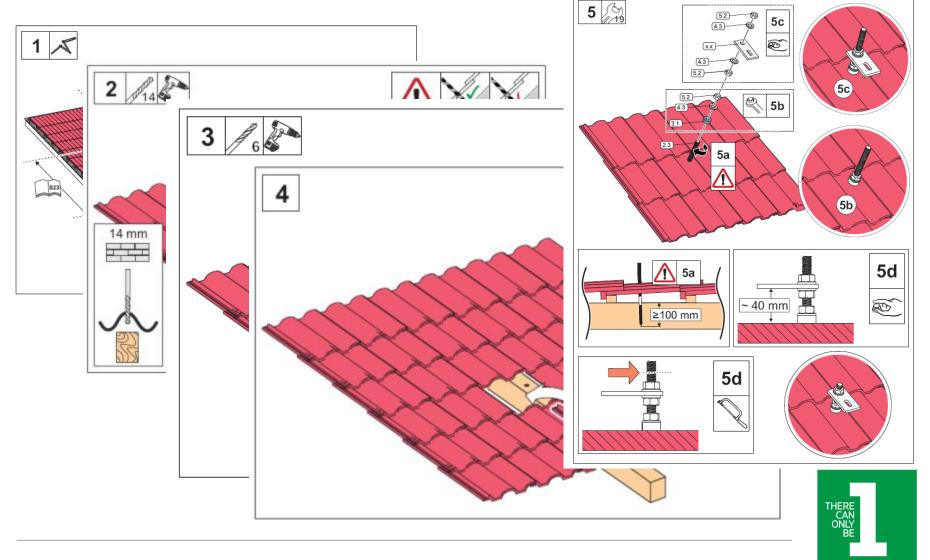








7one Example for Mounting Instruction



7one Connection-Sets vertical



Connection (compression) basic set vertical:

- 4 x Straight compression coupling
- 1 x Blanking coupling
- 2 x Stop end piece
- 1 x Air vent connector
- 1 x Air vent piece
- 1 x Air vent Key



Connection (compression) extension set vertical:

- 2 x Straight compression couplings
- 1 x Blanking coupling





7one Connection-Sets horizontal



Connection Basic Set horizontal:

- 1 x Insulated corrugated tube; length 390 mm
- 2 x Stop end piece
- 2 x Air vent connector
- 2 x Air vent piece
- 2 x Adapter piece 22/ 1" flat seal
- 2 x Flat seals
- 1 x Air vent Key



Connection Extension Set horizontal:

- 1 x Insulated corrugated tube; length 390 mm
- 1 x Stop end piece
- 1 x Air vent conector
- 1 x Air vent piece
- 2 x Adapter piece 22/ 1" flat seal
- 2 x Flat seals
- 1 x Air Vent Key



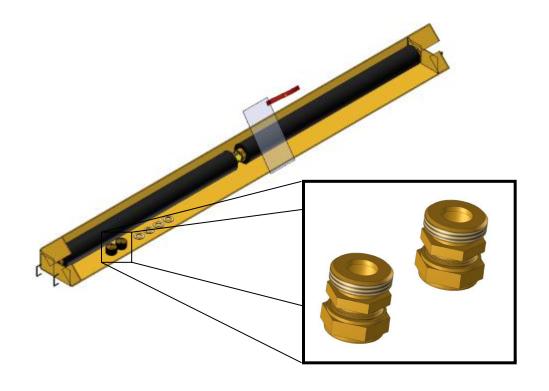


7one Roof Entering Set



Adapter piece for flat sealing and compression parts

- 2 x Insulated corrugated tube with 1" coupling nut on both sides 700mm
- 4 x flat seals
- 2 x compression adapter piece 22/ 1" flat seal





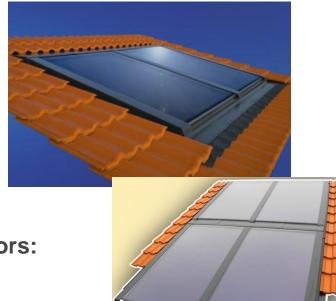
7one In – Roof Set



- Metal Sheet cladding (colour RAL 7016):
 - Basic Set for 2 collectors (vertical)
 - Extension Set for 1 collector (vertical)
 - Basic Set for 2 collectors in 2nd row (vertical)
 - Extension Set for 1 collector in 2nd row (vertical
- Following parts are included in the Metal Sheet cladding basic set 2 for collectors:
 - 2 x 90 (elbow) compression parts
 - All collector roof mounting parts (e.g. rail)
 - Mounting instruction (installation manual)



- 1 x Basic Set vertical for 2 collectors
- Number of extension sets vertical = number of additional collectors





7one Overview Mounting Sets



Mounting Set	Packaging Unit (PU)	Packaging Dimension (L/W/H) in mm	Weight per PU in kg	Minimum Order Quantity
DB0N1	1	422 x 134 68	1,55	10
DB0N2	1	422 x 134 x 68	4,06	10
DB0L1	1	412 x 162 x 162	2,72	10
DB0L1 ES	1	412 x 162 x 162	2,81	10
SS0N1	1	422 x 134 x 68	1,32	10
SS0N2	1	422 x 134 x 68	3,26	10
SS0L1	1	422 x 134 x 68	2,14	10
SS0L1 ES	1	422 x 134 x 68	2,31	10
SS45N1	1	1674 x 144 x 90	3,90	10
SS45N2	1	1674 x 144 x 90	10,27	10
SS45L1	1	1512 x 132 x 70	4,93	10
SS45L1 ES	1	1512 x 132 x 70	5,32	10
VS	30	400 x 150 x 150	10,22	1
TRP N 1	1	1225 x 80 x 40	2,91	18
TRP N 2	1	2453 x 80 x 40	5,84	18
TRP L1	1	2205 x 80 x 40	5,25	18
Metal Sheet Flashing BS single row	1	2200 x 880 x 150	34,5	1
Metal Sheet Flashing ES single row	1	2200 x 880 x 150	17,5	1
Metal Sheet Flashing BS double row	1	2200 x 270 x 150	25,0	1
Metal Sheet Flashing ES double row	1	2200 x 270 x 150	14,0	1

7one Overview Connection Sets

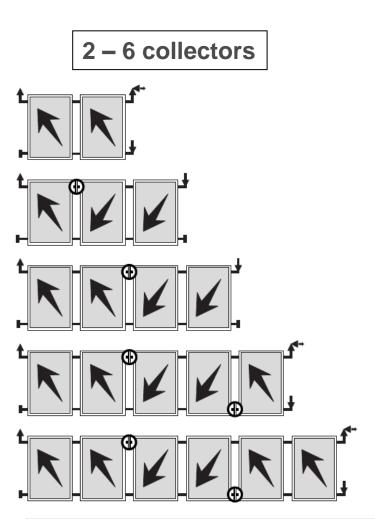


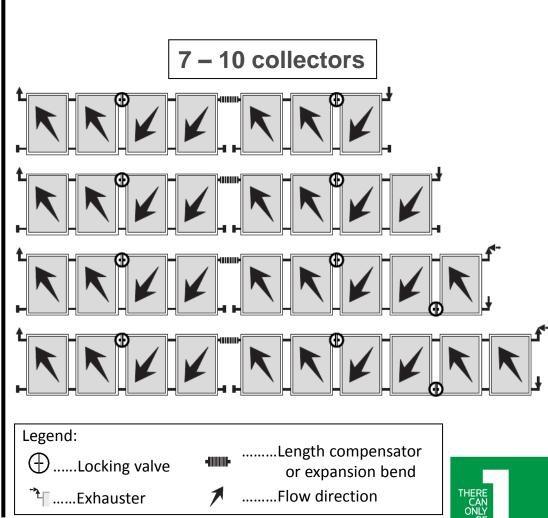
Connection Set	Packaging Unit (PU)	Packaging Dimension (L/W/H) in mm	Weight per PU in kg	Minimum Order Quantity
Basic Set vertical	1	250 x 130 x 60	1,02	10
Extension Set vertical	1	250 x 130 x 60	0,5	10
Basic Set horizontal	1	250 x 130 x 60	1,3	10
Extension Set horizontal	1	250 x 130 x 60	0,8	10
Roof Entering Set	1	1500 x 120 x 60	1,61	10





7one Connection Scheme single row (vertical) Example

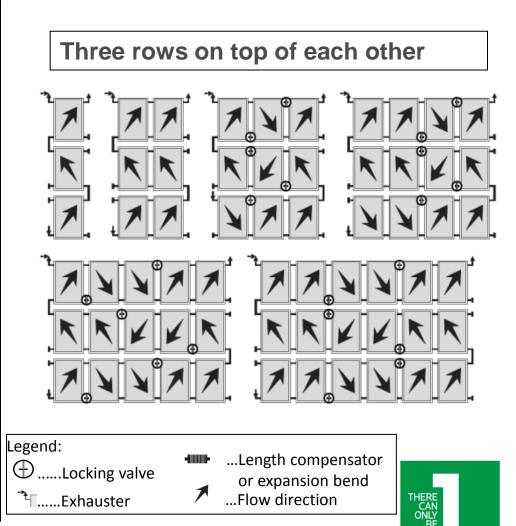






7one Connection Scheme double-/triple row (vertical) Example

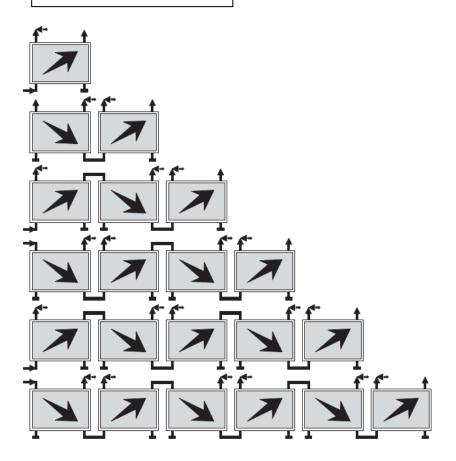
Two rows on top of each other





7one Connection Scheme single row (horizontal) Example

2 – 6 collectors



Legend:Locking valve or expansion bendFlow direction



7one Further Customer Advantages



- 7one Supply from European logistics centre (100% availability)
- 7one Specific support-service via GoT Key Account Manager
- 7one Product training inclusive trail-mounting at GoT
- 7one Product presentation in PowerPoint
- 7one Collector sample
- 7one Design- / product photos for own marketing documents





7one Transcription of Solar Keymark Certificate to Customer

- Transcription of Solar Keymark Test Report to Customer (Submission by GREENoneTEC)
 - Required Documents for the Test Institute from GREENoneTEC
 - Signed transcription form
 - Costs for the Customer:

up to 630,- EUR

- Required Documents for the Test Institute from Customer
 - Type sticker collector with customers data
 - Mounting instruction → Use of Standard Mounting Instruction
- Request on Solar Keymark Certification at DinCertco (Submission by Customer)
 - Required Documents for DinCertco from GREENoneTEC
 - Letter of Agreement
 - Required Documents for DinCertco from Customer
 - Signed transcription form
 - Costs for the Customer :

Administrative Charges (once):

720,- EUR

Yearly charges:

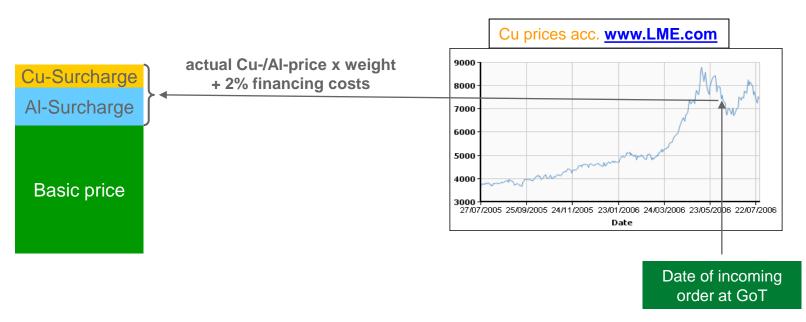
370,- EUR



7one Product Prices



Product price = basic price + actual Al-/Cu- Surcharge



- Fair and transparent price
- Opportunity of fixed prices based on frame orders
- Customer knows exact price with order confirmation



7one Monthly/Quarterly Forecast



 Customer sends until the 5th calendar day every month a rolling forecast

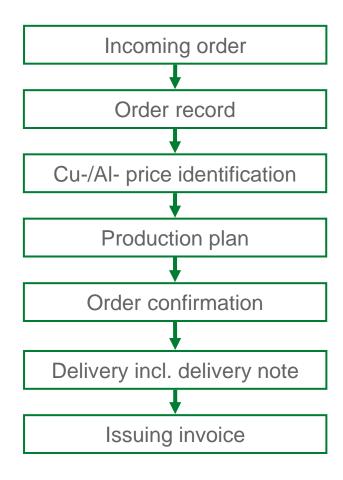
Planning horizon = actual month plus three following month

Volume of the direct following month = fixed order



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7one Order Process at GREENoneTEC







DANKE FÜR IHRE AUFMERKSAMKEIT

THANK YOU FOR YOUR ATTENTION



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