SOLAR THERMAL SYSTEM
QUESTIONNAIRE REGARDING SYSTEM ENGINEERING AND SYSTEM DESIGN

English

Please complete the following fields fully on your PC. Print out and **sign** the questionnaire and then send it to the relevant sales partner.

1. Project data

	Sender
Sales partner	
Cust. no. / Completed by	
Company	
Contact	
Telephone / Mobile	
Fax / Email	
Street, no.	
Postal code, town	
Country	

	Intended build
Building owner / Project	
Contact	
Telephone / Mobile	
Fax / Email	
Street, no. (place of construction)	
Postal code (place of construction)	
Country	
Comments on intended build	

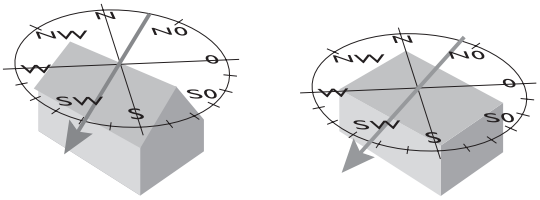
2. Building details

Building plans and utilisation

- ☐ Current building plans with dimensions enclosed
- ☐ Private use
- ☐ Commercial or public use
- ☐ Detached house
  - Year of build
- ☐ Apartment building
  - Year of build
  - Residential units
- ☐ Non-residential buildings
  - Type:
  - Number of rooms

Orientation of the building and roof area

South — Orientation of collector roof area that can be utilised

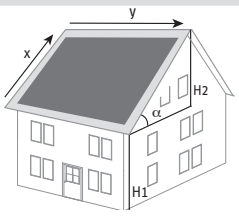


Type of roof and installation

- ☐ Tiled roof
  - ☐ Roof integration
  - ☐ Rooftop installation
- ☐ Slate roof
- ☐ Plain tile roof
- ☐ Corrugated roof
- ☐ Wall mounting
- ☐ Flat roof
- ☐ Horizontal collector installation
- ☐ Vertical collector installation
- ☐

Roof dimensions and installation location

- Roof area that can be utilised, excl. side roof overhang (in m²)
- x (in m)
- y (in m)
- Height of eaves (in m; H1 in m)
- Ridge height (in m; H1 + H2 in m)
- Roof pitch angle (in <°)



H1 = height of eaves

H1 + H2 = ridge height

α = roof pitch angle

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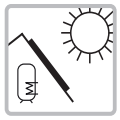

English

3. System information

Solar thermal system

- ☐ For DHW heating
- ☐ For central heating backup
- ☐ For swimming pool water heating
- Single pipe length from collector to cylinder (in m)
- ☐ Installation with matching Stiebel Eltron connection line
- ☐ With heat metering?

3.1 Cylinder system

Connection of existing cylinders

- ☐ **DHW cylinder** connection
  - Number
  - Type
  - Description
  - Capacity (litres)
  - Heat exchanger surface area (m²)
- ☐ **Central heating cylinder** connection
  - Number
  - Type
  - Description
  - Capacity (litres)
  - Heat exchanger surface area (m²)

Connection of cylinders to be designed:

- ☐ **DHW cylinder** connection
  - Type
- ☐ Specification by Stiebel Eltron
- ☐ **Central heating cylinder** connection
  - Type
- ☐ Specification by Stiebel Eltron

3.2 DHW heating

DHW demand per day and person

- Number of occupants
- ☐ Approx. 30 l at 45 °C, ≙ low consumption
- ☐ Approx. 40 l at 45 °C, ≙ average consumption
- ☐ Approx. 50 l at 45 °C, ≙ high consumption
- Required value (l/person at 45 °C)
- Own calculation of value
- ☐ Oil, gas, direct electrical, solid fuel reheating
- ☐ Reheating with heat pump
- Reheating output (in kW)

DHW circulation line

- ☐ With DHW circulation line
- ☐ Excl. DHW circulation line

Annual coverage required

- ☐ Approx. 40%
- ☐ Approx. 50%
- ☐ Approx. 60%
- Own value (in %)

3.3 Central heating backup

Solar heating backup

- Heat load to DIN EN 12831 (in kW)

Heat exchanger	Flow °C	Return °C
☐ Area heating system		
☐ Heating system with radiators		
☐ Fan convectors		

3.4 Swimming pool

Swimming pool

- ☐ Indoor pool
- ☐ Open air pool
- Usage period from: 01 to: 01
- ☐ With swimming pool cover
- Length, in metres
- Width, in metres
- Depth, in metres
- brown Tile colour
- ☐ Oil, gas, direct electrical, solid fuel reheating
- ☐ Reheating with heat pump
- Reheating output (in kW)

3.5 Other information

e.g. required collector type, details of country-specific standards, special roof shapes

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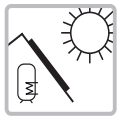

3.6 Printing and sending the design questionnaire

Printing the design questionnaire	
Printing	Print out and sign your questionnaire and then send it to the relevant sales partner.

Further construction documents

The more detailed and accurate the description of your system or building, the more precisely we can plan your project. If you have any further technical drawings, photographs and specifications for the building, please send us a complete set.

Legal note

You confirm that the details are complete and correct. We use them as a basis for the design and calculation of your system. We accept no liability for calculations or designs based on incorrect, inaccurate or incomplete details. We accept no liability nor offer any warranty if our design is used for the creation of a system using third party components.

Date	Signature