

On-site protocol for photovoltaic systems

Record of on-site visit/date: _____

by: _____

via fax to: +49 (0) 4608 16 63

Plant location

The delivery address corresponds to the location of the plant. Please state a differing delivery address in the section "Other information/customer preferences".

Full Name: _____
 Company: _____
 Street: _____
 ZIP Code/City: _____
 Phone/Fax: _____
 E-mail: _____

Company stamp

Commision: _____
 Installation period: _____

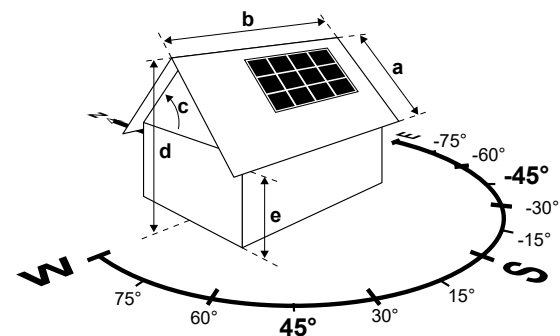
1.

Type of building/roof specification (mandatory)

We cannot provide a detailed project planning and offer without the following information!

Private household	Landlord apartment building	Farm
Dairy Farm	Commercial use:	Mon – Fri Mon – Sat continuous use
Hotel/restaurant industry	Public institution	others: _____
Project type:	New system	Extension* Repowering*
<small>* For existing systems, please provide us with some information about the system's size (amount of modules/inverter)</small>		

Saddle roof	Mono pitch roof
Roof area size (a): _____ m	Roof area size (b): _____ m
Roof pitch (c): _____ °	Roof pitch (c): _____ °
Alignment: <small>(deviation of side b from South)</small>	_____ °
Ridge height (d): _____ m	Eaves height (e): _____ m
Attica height (flat roof) (f): _____ mm	



Roofing

Roof tile, type: _____ (Beaver tail roof, Shingle, Plain tile, ...)

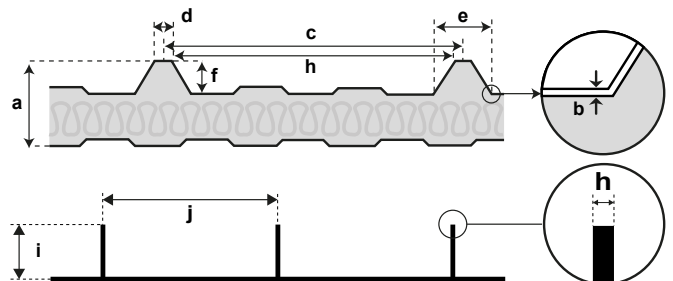
Fibre cement, asbestos-containing? yes no

Bitumen (tar paper) Interlayer, type: _____ Web width: _____

others: _____

Troughed sheet/Sandwich/Sheetfold/Corrugated sheet:

Total height (a): _____ mm
Sheet gauge (b): _____ mm
Raised seam spacing (c): _____ mm
Upper seam width (d): _____ mm
Lower seam width (e): _____ mm
Trapezoid height (f): _____ mm
Sandwich dam strength (g): _____ mm
Standing seam width (h): _____ mm
Standing seam height (i): _____ mm
Standing seam spacing (j): _____ mm
Shaft spacing (k): _____ mm
Corrugation pitch (m): _____ mm



Material: Steel Aluminium Zinc

others: _____

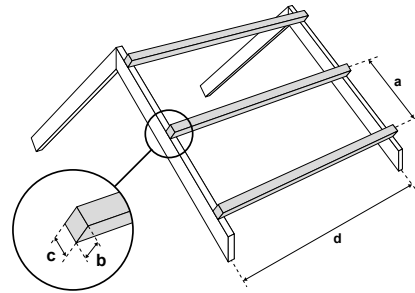
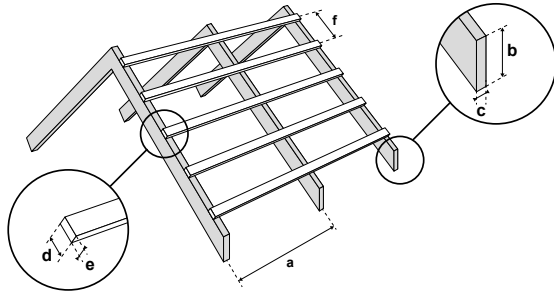
Lightning protection system at hand (Please outline on page 4.): yes no

Substructure

Type A – rafter roof

or

Type B – purlin roof



Rafter span (a): _____ mm
 Rafter strength (b): _____ mm
 Rafter width (c): _____ mm
 Amount of rafters: _____
 Lath width (d): _____ mm
 Lath strength (e): _____ mm
 Lath spacing (f): _____ mm

Purlin span (a): _____ mm
 Purlin strength (b): _____ mm
 Purlin width (c): _____ mm
 Binder span (d): _____ mm
 Amount of purlins: _____

Insulation lies above the carrying roof construction (rafter/purlin), thickness: _____ mm
 Roof shows warpings on ca. _____ cm per 6 m.

Rafter-/purlin material

Steel structure:

Z-section C-profile
 Double-T-section Square-profile
 others: _____

Wood construction:

Solid wood
 Lightweight construction

Concrete:

Armored concrete
 Aerated concrete

(Please outline the profile of the subconstruction on page 4.)

Roof connection via

Roof hook (standard) Roof hook (adjustable in height) Stair bolt
 Trapezoidal sheet connector (Please sketch the profile on page 1.)
 others: _____

Project planning

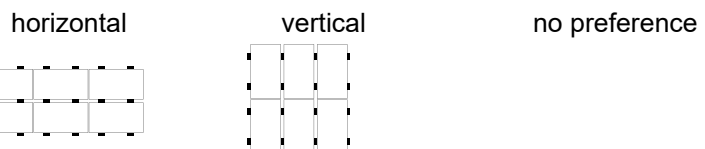
Unless indicated otherwise, we assume a single layer mounting system with horizontal module alignment/elevation and maximum coverage of the surface.

Maximum output per area (Use of the highest performing modules of the preferred producer)
 Maximum coverage of the surface
 Size of system limited to: _____ kWp

Dimensioning mounting system

Single layer
 Two-layer (cross connector)
 Maintenance gangway necessary

Module alignment



Elevation

Direction of elevation: south east-west
 Elevation requested by: _____ ° (In case of missing detail, we assume an elevation of 10° or 15°.)

Connection to elevation: (flat roofs ≤ 5° with foil or bitumen roofing, no roof penetration with slope ≤ 3°)

Mechanical (e.g. hanger bolt) Optimised ballasting (only horizontal module alignment possible max. 15°)
 Ballasting (max. ballasting/m² roof area = kg according to static): _____ kg/m²

2.

Choice of components/details on project planning (optional)

Unless indicated otherwise, we select the components according to their availability or make general assumptions.

Module preference

REC, type: _____

Luxor Solar, type: _____

Trina Solar, type: _____

Jinko, type: _____

LONGi, type: _____

no preference

Module frame

silver black

no preference

Backsheet:

white black

transparent

no preference

Inverter preference/battery system

Fronius, type: _____

SMA, type: _____

Delta, type: _____

LG ESS, type: _____

KACO, type: _____

TIGO, type: _____

No preference

KOSTAL, type: _____

SolarEdge, type: _____

RCT Power, type: _____

Solis, type: _____

Huawei, type: _____

FENECON, type: _____

Storage system requested

usable storage capacity: _____ kWh

Power reduction for photovoltaic systems requested

Annual consumption: _____ kWh

Electricity costs: _____ ct/kWh net gross

Load profile: _____ (e.g.: 2 person household, commercial)

BYD, type: _____

LG ESS, type: _____

Mounting system preference

ALTEC Metalltechnik

K2 Systems

ESDEC

no preference

Data evaluation

Via Display: Master display, W: _____ mm, H: _____ mm for indoor or outdoor

Via PC/APP: Connection via: _____ (WLAN, LAN, Cell-phone connection, ...)

Component preference: like inverter producer Solar-Log (Solare Datensysteme GmbH)

3.

Additional information (optional)

This set of data can be used to estimate the costs and to calculate the return on investment for the final customer.

Wiring and installation

Idle energy meter: yes no Existing energy meter: _____ pcs Electricity supplier: _____

1st Meter point administration no: _____ 2nd Meter point administration no: _____

Low voltage Medium voltage

Three-phase Single-phase

Inverter specifications: Transformer required: yes no

Inverter placement: indoor outdoor

EV charger installation: wall-mounted floor-mounted

Cableway PV modules to inverter: _____ m (In case of missing detail, we assume a cableway longer than 10 m.)

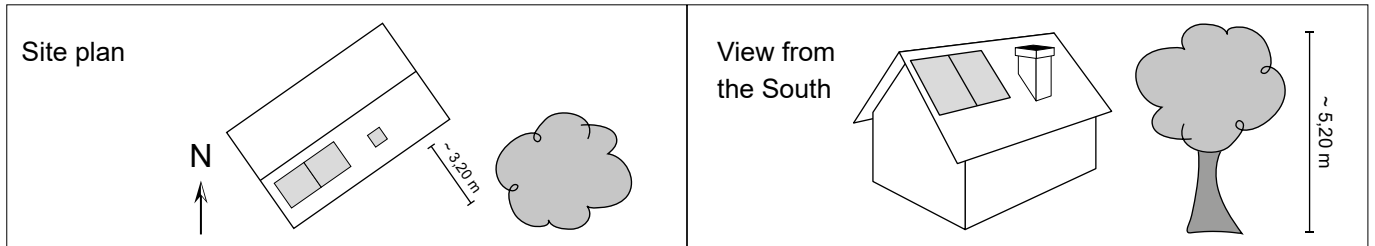
Cableway Inverter to grid connection point: _____ m

Services provided onsite:

Sketch

Please sketch and dimension the structural conditions. (e.g. chimney, roof-light, skylight, trees, shadow etc.)

Example:



A large grid area for sketching, with a compass rose in the top right corner. The compass rose is a four-pointed star with 'N' above it, indicating North.

Other information/customer preference

Please make sure the recorded data is correct. EWS will not review it and therefore cannot be held responsible for any problems and damage due to inaccurate data or information.



Use our online platform QuickPlan to transfer all project data. With this platform, you can also design solar projects, calculate offers and create impressive documentation for your customers on your own. QuickPlan is available to you free of charge after login at www.photovoltaiics.eu/quickplan