Technical Planning Aid

Pitched roof and flat roof structures

Project _____

Customer _____

Contact _____

Phone / E-Mail _____

Address of installation

Street / No. _____

Postal code / Town _____

Exposed position ☐ yes ☐ no

Distance to sea ☐ < 100m ☐ > 100m

Type of roof

Pitched roof
(> 5° roof pitch)

☐ Double pitched roof ☐ Pent roof

☐ Hipped roof ☐ Barrel roof

Roof pitch _____ degrees

Flat roof
(< 5° roof pitch)

☐ Attic Height _____ cm

☐ Without attic

Roof pitch _____ degrees

Other roof types _____

Roof dimensions

Roof width (verge to verge) _____ cm

Roof height (eaves to ridge) _____ cm

Building height (ground to ridge) _____ cm

Roof covering

Pitched roof

☐ Tile ☐ Plain tile

☐ Pantile tile ☐ Slate tile

☐ Trapezoidal sheet metal without insulation

Material _____ Sheet thickness _____ mm

☐ Corrugated roof

☐ Fibre-cement boards

☐ Sandwich roof

Sandwich height
(center + corrugation height) _____ mm

Distance of corrugation _____

Others _____

Roof covering

Flat roof

☐ Foil ☐ Gravel

☐ Bitumen cladding ☐ Green roof

Others _____

Connection to the roof

☐ to rafters ☐ to purlins

Material _____

Distance (rafter middle to rafter middle) _____ cm

Measure (WxH) _____ x _____ cm

Distance to eaves/verge _____ cm

☐ connected to roof covering

☐ with ballast ☐ without or with low ballast

Modules

Number of modules _____ Type of module _____

Module weight _____ kg

Module size (LxWxH) _____ x _____ x _____ cm

Mounting

☐ roof parallel ☐ elevated

Module orientation ☐ portrait ☐ landscape

Module field Rows _____ Columns _____

Elevation angle _____ degrees

Distance between rows _____ cm

Additional documents

Required: Drawing of the PV system / Roof plan

Auxiliary:

☐ Photo of roof

☐ Photo of building

☐ Photo of building / roof structure from inside

☐ Drawing of roof section / description of roof construction

☐ Plan of rafters / purlins

☐ available load calculation, statics

☐ Datasheet of the module

☐ Datasheet of roof covering (e.g. trapezoidal metal or sandwich roof)