

# DDS-CAD PV

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## Includes all features from DDS-CAD Building

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DDS-CAD PV contains the basic function package 'Intelligent BIM/CAD core' and applicable functions for PV planning from the package 'Intelligent building model' (for details see functional overview DDS-CAD Building).

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## Intelligent PV system design

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High quality and flexible planning of PV systems in 2D and 3D

Database including generic mounting systems

Visualization of the course of the sun and shading

Photorealistic presentation with sun animation and video output

Flexible system design: on-roof, in-roof, facade and ground mounted

Generation of roof layout, system schematic and string diagram

Freely definable cross-sections, elevations and part models

Configurable parts list by area, building, etc.

Production of assembly and installation plans in DWG, DXF and PDF

Scaled plotting and printing of output documentation

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## Polysun Inside

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Integrated database with global climate data of over 8.000 weather stations

Online access to Meteonorm horizon lines and possibility to import from third party systems (e.g. SunEye)

Calculation of weather data for user-defined locations

During the simulation; update of the sun's position every 4 minutes

Detailed shading visualization

Comprehensive and up to date product database for PV modules and inverters

Automatic inverter assignment for PV fields

Connect differently oriented PV fields on a single multi-tracker inverter

Yield estimation with dynamic simulation taking into account module warming and reactive power

Extensive self-consumption profiles: comparison between yield and self-consumption

Dimensioning and editing of PV modules with respect to module area and orientation

Automatic overview and report of yield estimation results

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## DDS-CAD PV

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DDS-PV	BIM core, building model and PV system design
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DDS-PS	Polysun Inside
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