DDS-CAD PV includes all features from DDS-CAD Building.

**Intelligent PV system design**

- 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

**Polysun Inside**

- 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

**DDS-CAD PV**

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