

## PvMax-S

The inexpensive and efficient ground-mounted system with concrete foundations

- quick and cost-effective project planning, also for special projects
- complete structural analysis incl. foundation calculation with concrete anchor recommendation



The new PvMax-S completes our FS steel product series. PvMax-S combines the FS Duo system with concrete foundations which makes it a cost-efficient steel version of the PvMax3 that is made of aluminium.

The foundation of ground-mounted solar plants on concrete foundations is an efficient way of installing solar plants on subsoils that do not allow pile-driving or when pile-driving would not be economically efficient. This also includes areas with chemically aggressive subsoils, as a foundation using driven piles made of steel is not easy or even impossible on such soils. PvMax-S is also an option for small solar plants, because special soil surveys or test pile-drivings would be too expensive and out of all proportion to the overall investment.

If the PvMax-S is combined with the proven FS Duo100 east-west rack, not only south-facing areas can be used for the generation of solar power, but also areas that are not ideal for "standard" ground-mounted solar plants.

### Technical data

<b>Material</b>	Fastening elements, bolts: Steel, hot-dip galvanized or high-grade steel (fastening device, bolts) Rails: Steel, hot-dip galvanized
<b>Logistical details</b>	<ul style="list-style-type: none"> <li>• Delivery of single components as well as a maximum level of pre-assembly is possible</li> <li>• Transport to the installation site appropriate to the specific kind of mounting</li> </ul>
<b>Construction</b>	<ul style="list-style-type: none"> <li>• Quick and easy mounting</li> </ul>
<b>Foundation</b>	<ul style="list-style-type: none"> <li>• Cast-in-place concrete provided by the customer on site according to our specifications</li> <li>• Pre-cast concrete foundations according to data taken from the system structural analysis</li> </ul>
<b>Delivery and services</b>	<ul style="list-style-type: none"> <li>• Soil statics and structural analysis of the foundation including concrete anchor recommendation</li> <li>• Structural analysis of the individual rack based on regional data</li> <li>• Delivery of the complete mounting material</li> <li>• <b>Optional:</b> Rack mounting</li> <li>• <b>Optional:</b> Complete module assembly</li> </ul>
<b>Structural analysis</b>	<ul style="list-style-type: none"> <li>• Structural analysis of the respective terrain based upon a soil survey</li> <li>• Individual systems analysis based on regional load values</li> <li>• Load assumptions according to DIN EN 1990 (Eurocode 0), DIN EN 1991 (Eurocode 1), DIN EN 1993 (Eurocode 3), DIN EN 1999 (Eurocode 9) and further respectively corresponding country-specific technical standards</li> <li>• Highly efficient, material-saving rail geometries</li> <li>• Structural verification of all construction components based on FEM-calculation</li> </ul>

Further information at: [www.schletter.eu](http://www.schletter.eu)

\*The terms of guarantee can be referenced at [www.schletter.de/AGB\\_en](http://www.schletter.de/AGB_en)