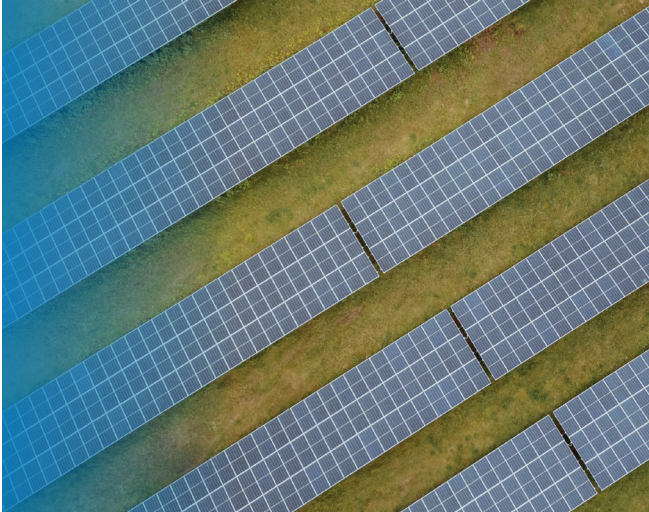
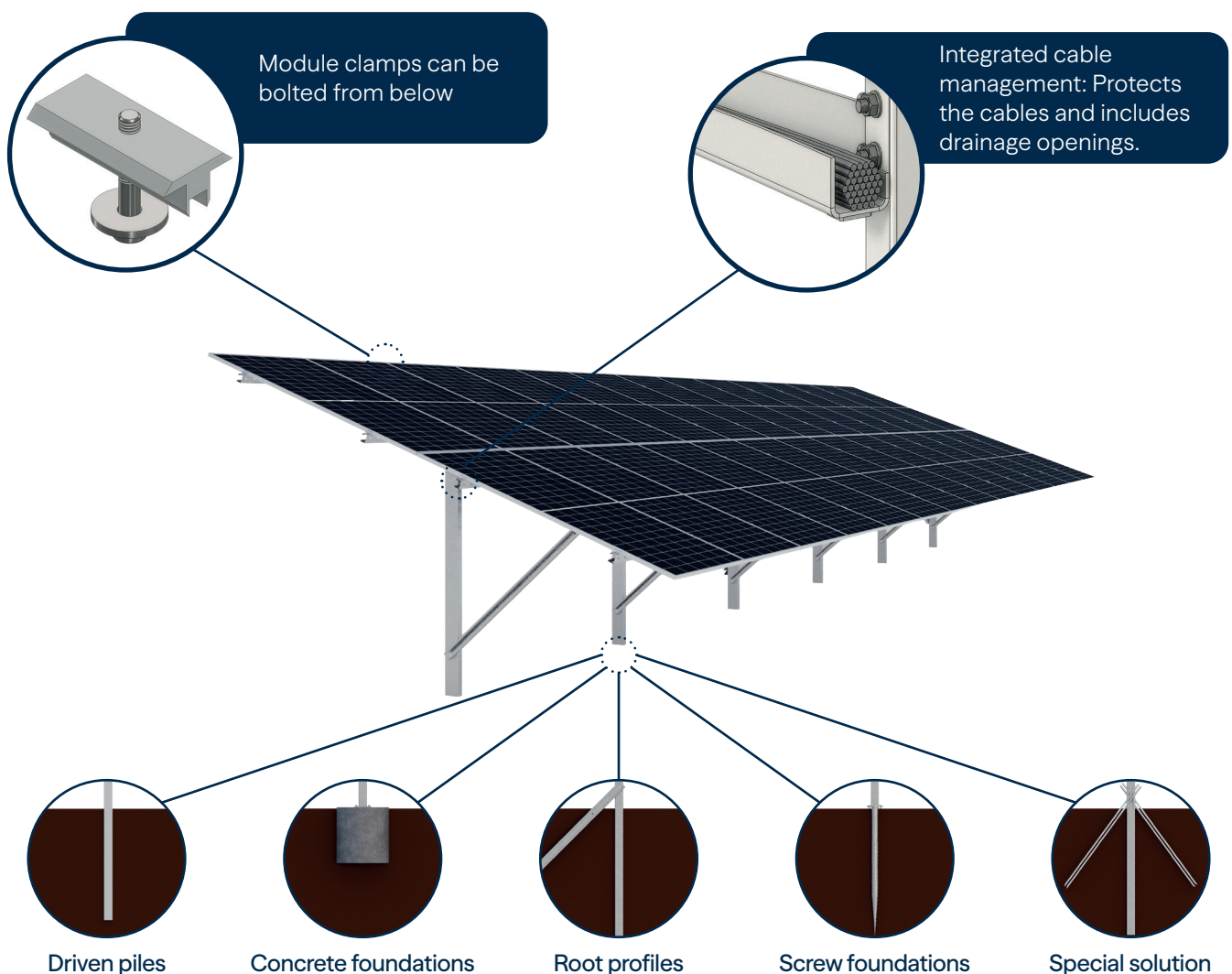


MEISER Single-Pile System

Single-Pile Mounting System



MEISER Single-Pile System is the robust single-pile mounting system for ground-mounted photovoltaic installations in portrait orientation. It comes as standard with integrated cable management and a project-specific foundation solution. Installation is possible using two standard tools. Developed and manufactured in Germany and supplied worldwide – with a warranty period of up to 40 years.





3,600 MWp annual
production capacity



4,000 employees and
22 production sites
worldwide



System & Application		Engineering & Materials		Foundation & Installation
Terrain slope	0°–18° (East-West) 0°–16° (North-South)	Main components	Pile, longitudinal beam, module rail, support strut	Foundation options Project-specific adaptation to soil and site conditions Driven piles C-profiles, project-specific lengths Concrete foundations Project-specific dimensions, above-ground or below-ground Root profiles Project-specific dimensions Screw foundations Project-specific dimensions Special solution Tools Installation using two standard tools for low installation complexity Logistics Just-in-time delivery available, reducing storage space requirements
Module orientation	Portrait	Steel grades	S350 S355 S420 S460 S550 • Custom solutions on request • Stainless steel	
Number of modules	1–2 modules in portrait orientation	Corrosion protection	• Hot-dip galvanizing according to DIN EN ISO 1461 • Continuous galvanizing • Magnelis® coating • Custom solutions (coated or uncoated)	
Tilt angle	10°–30° (custom solution on request)	Soil classes	I–IV	
Module compatibility	Compatible with all commercially available PV modules	Atmospheric corrosion classes	C2–C5	
Module spacing	• Longitudinal: 12 or 20 mm	Fasteners	Stainless steel bolts (A2-70, A4-80), aluminium components for cross connectors and module clamps	
		Special components	Available on request	
		Connection types	Bolted connections (M8/M12), easily accessible	

Documentation & Tools			
Structural design	CAD data	Quality documentation	Installation manual
With site and load parameters, design in accordance with applicable standards	2D/3D or GPS-based planning data and pile driving plans	Inspection reports, material and test certificates	Project-specific, multi-lingual and illustrated for safe implementation

Features & Options			
Electrical	Anti-theft protection	Vegetation protection	
• DC string routing: integrated cable management • Inverter mounting bracket: optional • Lightning protection: connection points available according to DIN EN 62305	• Available project-specifically	• Available project-specifically	

Services & Scope of Supply
 ✓ Worldwide, on-time delivery, supporting reliable project planning and execution - Geological assessment, structural engineering, engineering and foundation design carried out in-house – reducing interfaces and increasing planning reliability ✓ Technical support and site assistance, enabling rapid clarification of technical questions and reducing delays during construction ✓ Short-term implementation, enabling flexible response to project requirements and schedules

Standards & Certifications
• CE conformity • DIN EN 1090 (Execution of steel structures) • ISO 9001 (Quality Management) • ISO 14001 (Environmental Management) • ISO 45001 (Occupational Health and Safety) • ISO 50001 (Energy Management)

Structural Design
• Design standards Eurocodes: EN 1990, 1991 (Wind/Snow), 1993 (Steel Structures), 1997 (Geotechnics), 1998 (Earthquake Design), 1999 (Aluminium Structures) • System structural analysis Project-specific structural calculation and design.

Further Information Online
website  solar.meiser.de