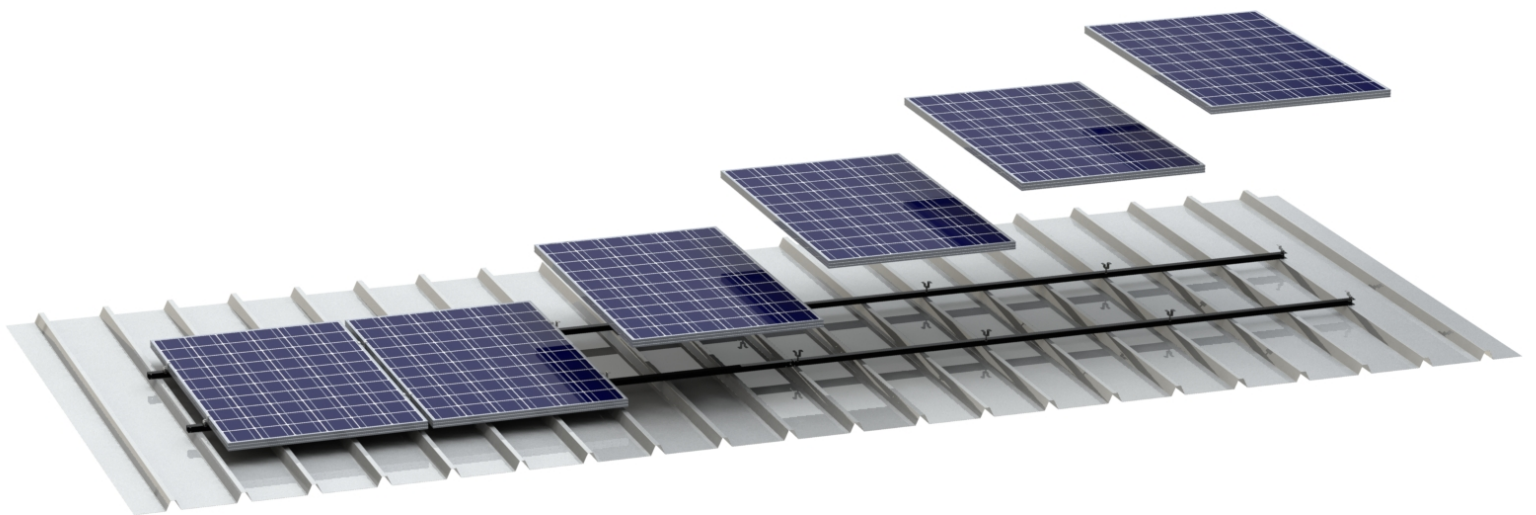




Metal construction PVMSR (Photovoltaic Mounting Structure for Rooftops)

Roof metal structure for installation of photovoltaic modules

PVMSR-SG-PCF



FLEXIBLE DESIGN

The design is adaptable to different roof shapes and module sizes

BUDGET SOLUTION

Use of galvanized steel instead of aluminum

10-YEAR WARRANTY

Warranty against through corrosion of metal structures



Supporting metal structure for PV modules for roofs with sheet metal, attached to the roof with glue, parallel fastening of the PV modules with the use of clamps

GENERAL CHARACTERISTICS

- + Suitable for use on roofs covered with sheet metal;
- + Designed for the use of a frame-type PV modules;
- + Adaptation of the structure to the shape of the roof;
- + Resistant to atmospheric loads (wind, snow);
- + The simplicity of the design ensures the speed of installation;
- + Using glue to fasten the structure to the roof;
- + Body components are coated with an anti-corrosion coating applied by hot-dip galvanizing according to ISO 1461:2009.

Meets the requirements of the standards:

DBN A.3.2-2-2009	Occupational safety and industrial safety in construction.
DBN V.2.6-198:2014	Substantive provisions. Steel structures. Design standards.
DSTU B V.2.6-200:2014	Steel constructions. Installation requirements
NPAOP 0.00-1.15-07	Rules of labor protection during work at height.
DSTU B V.2.6-75:2008	Designs of Buildings and Structures. Steel Construction Structures. General Technical Requirements.
DSTU-N B V.2.6-186:2013	Guidance for the Protection of Construction Designs of Buildings and Structures from Corrosion.
DSTU-N B A.3.1-21:2013	Guidance for the Implementation Mounting Joints of Steel Building Structures on High-Tensile Bolts.

TECHNICAL DATA

Solar panel parameters

Dimensions	1956x992x35 mm
Panel weight	21.1 kg

Design parameters

Construction type	roof
Fixing to the roof	glue
Location of PV modules	parallel
Fastening of FEM to the structure	clamps

Terms of use

Temperature	- 40...+45 °C
Relative humidity	5-100%
Resistance to loads*	

Installation options

Fastening type	parallel to the roof
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* Design solutions for the use of this structure must include, among other things, a section for calculating the bearing capacity of the building (roof) on which the PV modules are installed, taking into account wind and snow loads for a specific region in accordance with the applicable norms.

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