

# Mounting System SMS-212SM

DATASHEET



## SMS-212SM

- The structure is ready for assembly
- Compatible with all types of foundations
- Compliance with building regulations
- Galvanized steel
- Suitable for backsheet PV module

### Flexibility

Mounting system is simple and flexible in assembling and provides optimal metal consumption.

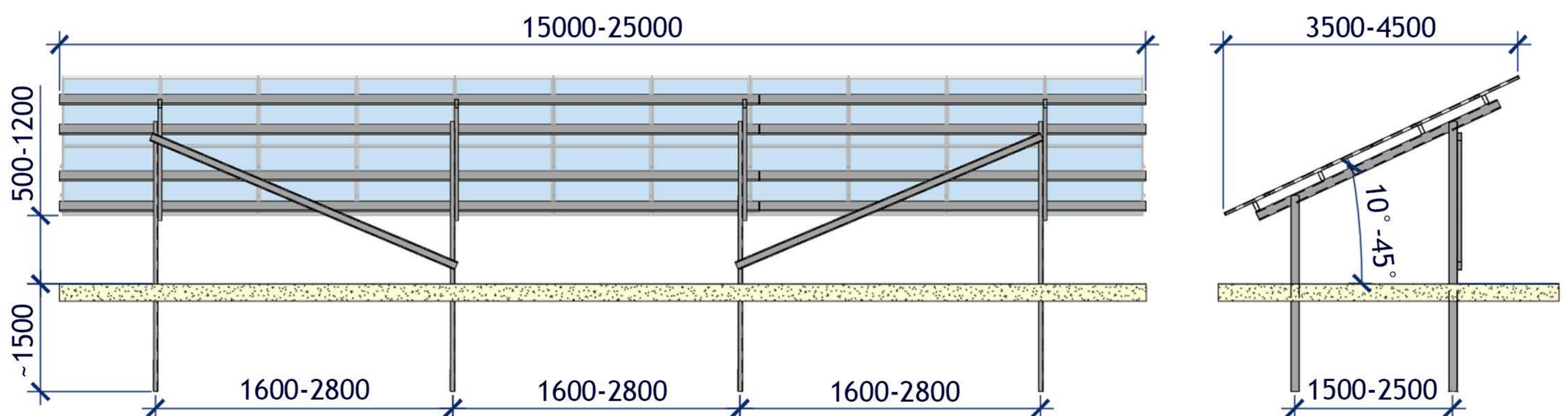
The structure is designed for installation with any type of PV modules.

### Structure parameters

PV modules tilt angle	10-45°
Module orientation	portrait
Distance from the ground	0.5-1.2 m
Quantity of PV modules in height	2 pcs.
Quantity of PV modules in width	from 3 pcs.

### Climatic conditions

Snow loads	up to 2.5 KPa
Wind loads	up to 1.0 KPa



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### Foundation options



Ramming



Ramming with  
concreting



Concreting



Anchoring piles

### Application features of profiles with different sections



R - Steel perforated rail-profile  
(41x41mm) For SMS-212SM



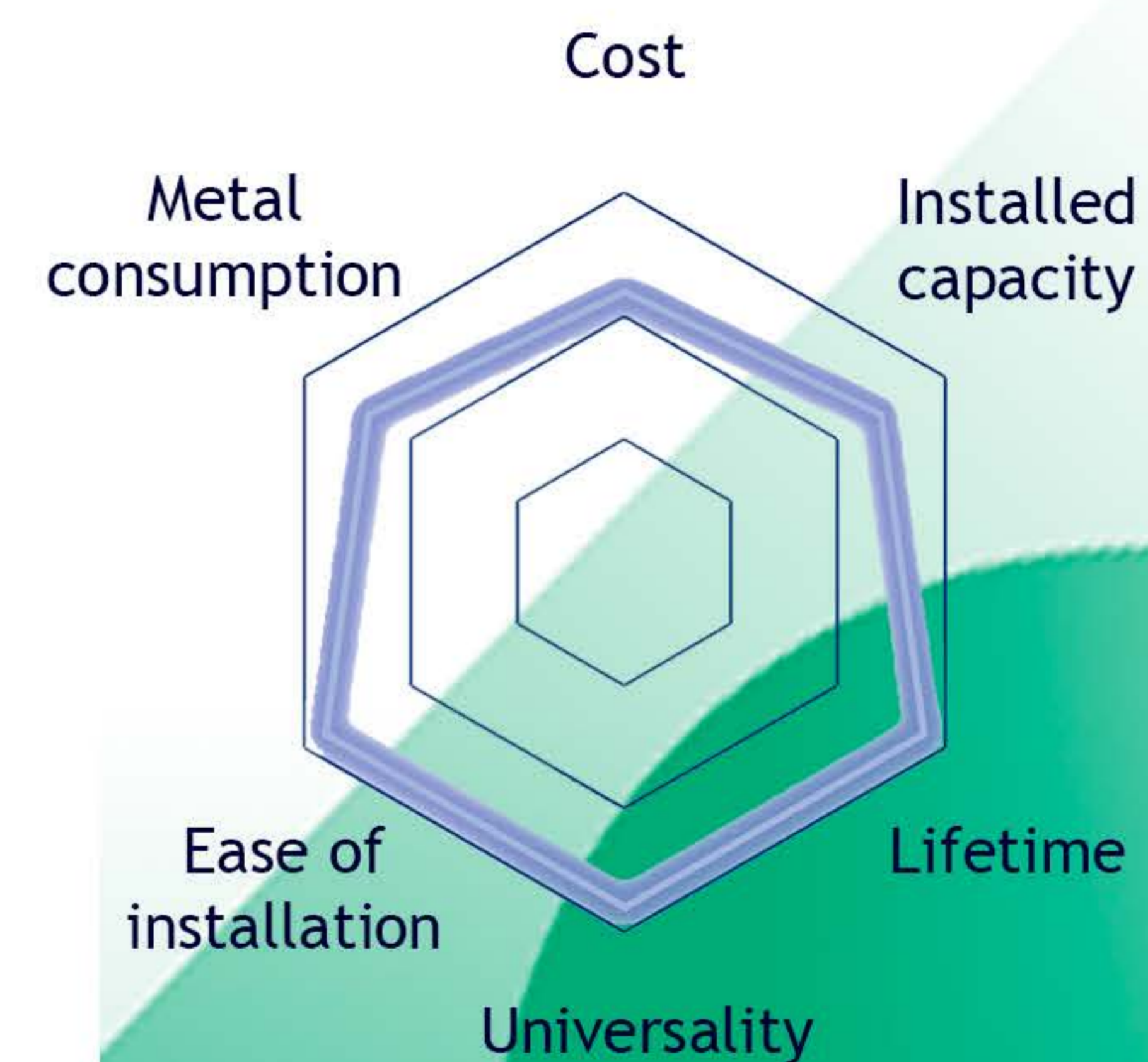
R - Steel perforated rail-profile  
(41x72mm) For SMS-212R

### Materials and Fastenings

- The structures are made of steel S235JR/S355JR according to EN 10025 with anti-corrosion coating by hot dip galvanizing according to ISO 1461:2022, or galvanized steel coils S350GD/S450GD according to EN 10346 with an anti-corrosion coating of at least 350 g/m<sup>2</sup>.
- Hardware for fastening of metal structure is made of A2-70 stainless steel according to ISO 3506-1:2020 and/or carbon steel Delta according to ISO 898-1:2013.
- Clamping elements for PV modules are made of aluminum alloy AlMg0,7Si (6060/6063) according to EN 573 with an anti-corrosion coating by anodizing according to ISO 7599:2018.

### Warranty conditions

- Mounting systems are warranted by the Manufacturer for a period of 10 years, provided that the requirements of the Installation and Operation Manual as well as the Assembly drawings are followed.
- Mounting system coating is guaranteed according to ISO 9223, atmospheric corrosion category up to C3 (according to ISO1461 /ASTM A123 and ISO3575), against perforation corrosion, depending on the type of coating, for a period of:
  - for hot dip galvanizing - 25 years;
  - for other types of coating - mentioned additionally in the specifications of the contract
- The lifetime of the Mounting systems is 25 years and can be extended over time.



Warranted  
by the manufacturer  
for a period of 10 years



Fast and cost  
effective installation



Zinc coating -  
a guarantee of  
durability.



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