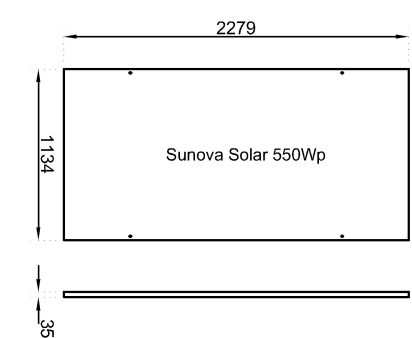


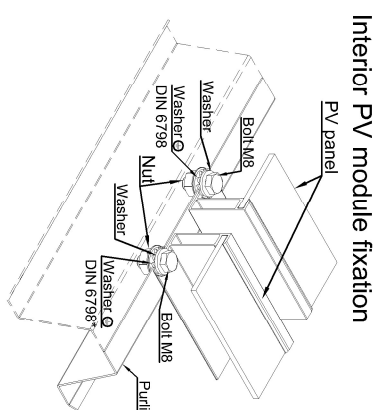
E-W AXIS
Scale: 1/50



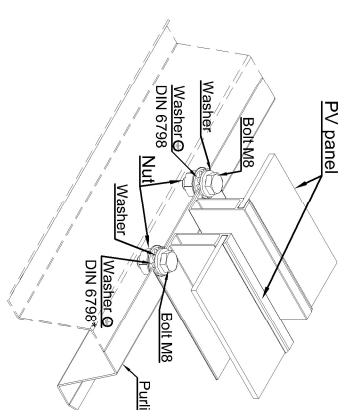
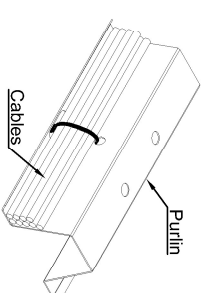
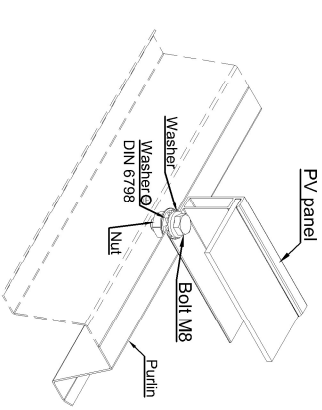
PV Module: SS-550-72MDH

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N-S AXIS
Scale: 1/4



PV pane

PV panel

1. Structure designed for the PV module presented:

- Peak power: 250Wp;
 - Dimensions: 229x113x35;
 - Weight: 27.6kg.
2. Wind Design assumptions:
- Basic wind speed 24.1ms (Eurocode);
 - Category terrain II;
 - Type of structure: canopy roof;
 - Degree of blockage under a canopy: 0 (empty, free-standing)
 - Global coefficients;
 - Friction forces not considered on the model;

- 3. Show Design assumptions:
 - Characteristic snow load $s_k = 0.49 \text{ kN/m}^2$;
 - Roof shape coefficient: 0.80;
 - Accident design situation where snow is the accidental action is not considered.

4. Structural Materials:
- Cold formed profiles: steel grade S350GD+ZM310;
 - M8 and M12 bolts, nuts and washers: stainless steel A2-70.

- 5. Design assumptions:
 - Design of the structure according to the Eurocodes;
 - Atmospheric and ground corrosion class C3;
 - Temperature and seismic loads were not considered on the 3D design model;
 - Consequence class 1 / Execution class XC1;
 - Design combinations according to EN1990.

6. The structure or structural parts could be changed without previous notice.

7. Unless otherwise specified, all dimensions are in millimeter.

- (*) The piles have standard length of 1.65m, the final length of the piles will be set according to the site geotechnical survey and pull-out test.

Execution Stage

100

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ENT:

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United Kingdom

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