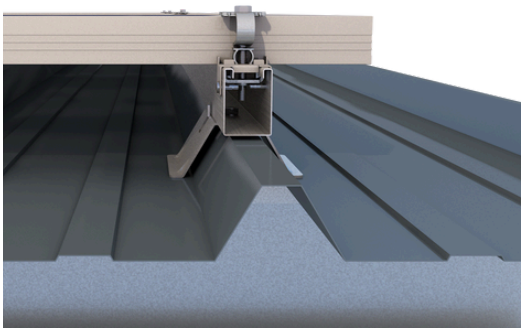
ADIWATT
Le photovoltaïque, une histoire d'experts

Technical datasheet

Process under ETN

Optima Steel Roof

The AdiWatt OPTIMA process combines framed photovoltaic modules with a specific mounting system that allows them to be installed on trapezoidal corrugated steel roofs in landscape mode.

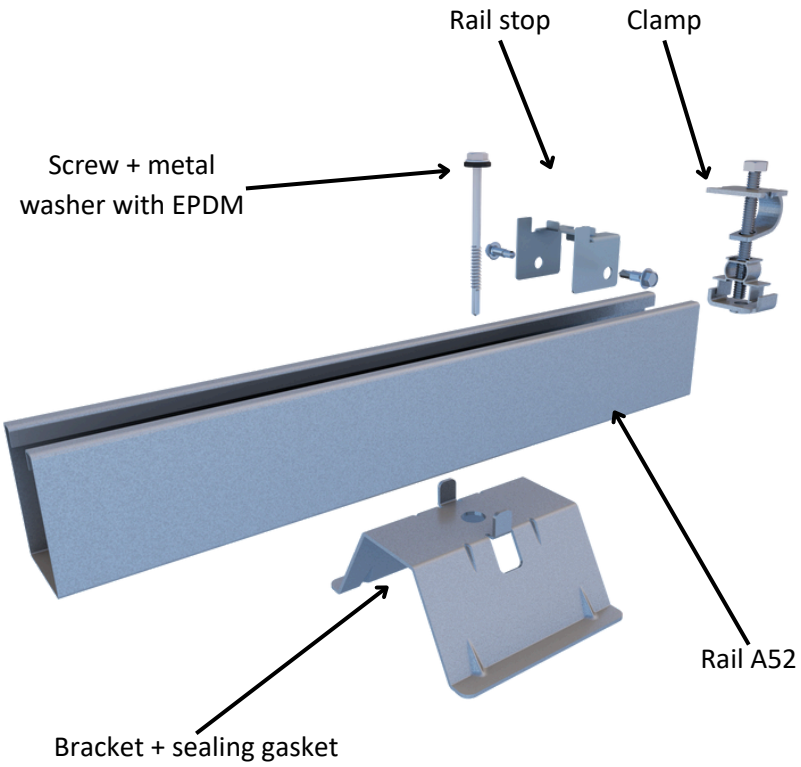


Metal	Steel + ZM310 according to EN 10346
Field of application	New or existing roofs with trapezoidal corrugated steel sheets - Roofs covered with corrugated plates obtained from coated steel sheets in accordance with DTU 40.35
Installation areas	Low and medium humidity premises - Cyclonic zone compatible
Maximum installation altitude	900 m
Minimum and maximum slope	2,8° to 45° either 5% to 100%
System weight/m2	2 rails per column : 2 kg 3 rails per column : 3,5 kg
Modules	Framed - Landscape mode
Maximum size of PV module	2382 mm x 1134 mm x 30/35 mm
Type of purlin	Steel - Wood - Concrete
Purlin spaces	<2m = 2 rails/column of modules 2m to 2m50 = 3 rails/column of modules*
Maximum roof lenght	40 m

*Subject to feasibility, sizing carried out by AdiWatt

System parts

Clamp
Rail A52: lenght 1050 mm lenght 1560 mm lenght 1750 mm lenght 2100 mm lenght 3120 mm lenght 3500 mm
Inner rail fishplate
Pontet: height 25 mm height 36 mm height 46 mm
OPTIMA rail stop



COMPATIBLE CONTAINERS (For example: EKLIPS A39 and A45 from Arcelor Mittal)

- Wave centre distance: 250 or 333 mm
- Wave height: 35, 39, 40 or 45 mm
- Thickness: 0.63 mm or 0.75 mm
- Material: Steel in accordance with DTU40.35