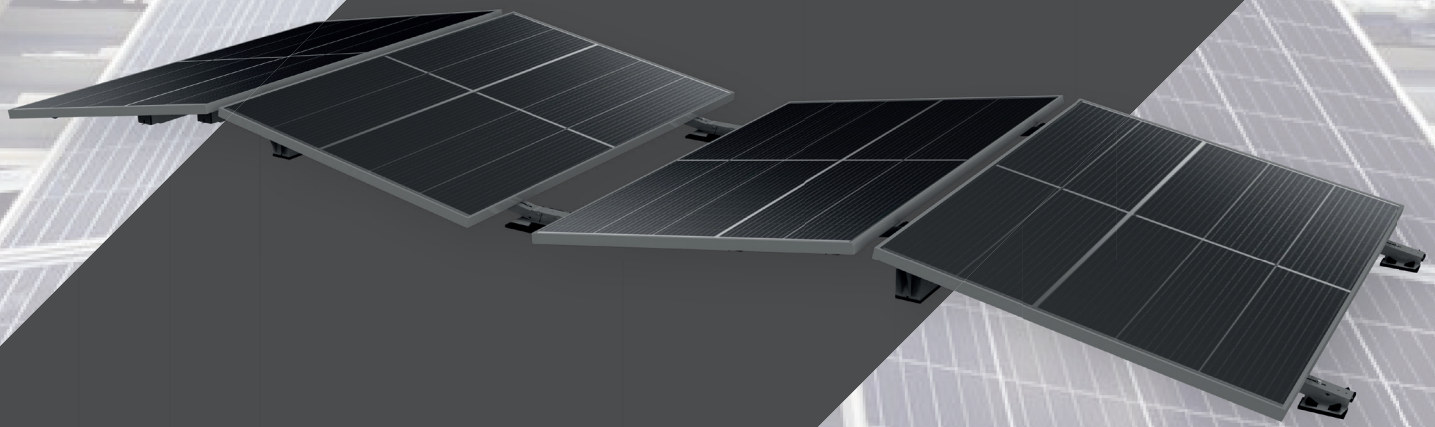




# FAST PV

preassembled solar system

a brand of  EDELSEGGER  
METALS



Information & videos

**fastpv.at**



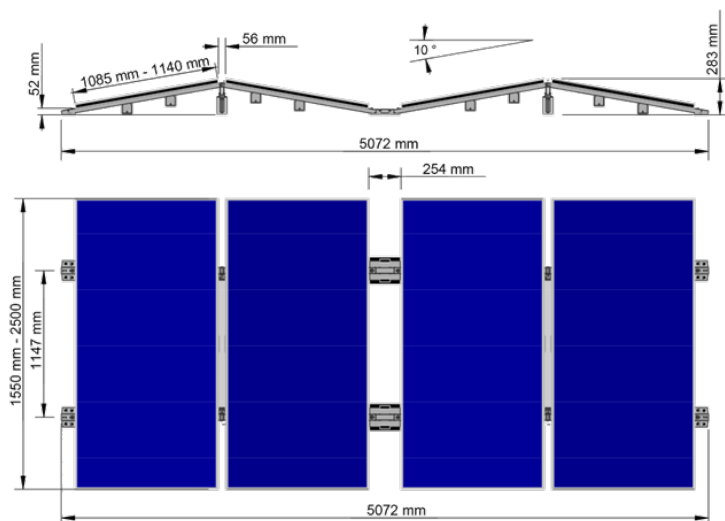
# TECHNICAL DATASHEET

# 1 TECHNICAL ADVICE

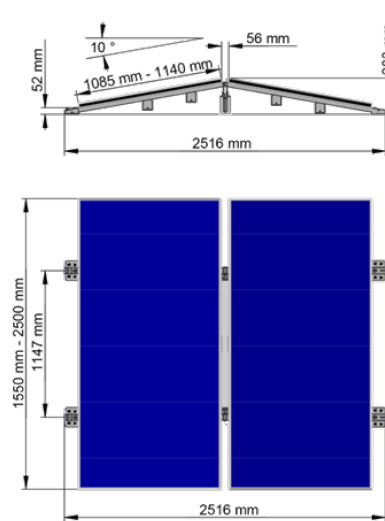
- 1) When used on trapezoidal roofs, additional support for the outer and central feet may be necessary.
- 2) The maximum ballast that can be integrated is 50 kg per PV module ("CORNER" version). If this is not sufficient in the specific project, additional ballast stones of 25kg each can be installed in the solar generator after Fast PV have been placed.
- 3) In September 2019, the German Institute for Construction Technology (DIBt) granted ArcelorMittal's Magnelis® coating a general building approval (No. Z-30.11-51). The DIBt confirms the protection period of ZM310 when used in an environment of corrosivity class C4 with up to 30 years.
- 4) PUR Building protection mats contain plasticizers.
- 5) Distributed load and point load was calculated using the Jinko Tiger Pro 72HC PV module (1134x2278x35mm / 28kg). Snow load  $s_k=0.85$  kN/m<sup>2</sup>
- 6) The maximum size of the PV module that can be used must be clarified on a project-specific basis and depends on the expected snow and wind loads at the place of use.
- 7) Because the solar modules are clamped from underneath, the module width that can be used depends on various parameters. If in doubt, the suitability of PV modules should be tested in advance or checked according to the module manufacturer's data sheet.

# 2 MEASUREMENTS

Fast 4



Fast 2



### 3 TECHNICAL DATA

TECHNICAL DATA	
Scope of application	Flat roofs with a pitch of $\leq 5^\circ$ with foil or bitumen covering, on concrete, gravel or green roofs; also suitable for trapezoidal sheet metal roofs
Ballast	Built-in concrete ballast elements –no roof penetration
Angle	$10^\circ$
Orientation	East-West
Material of structure	Magnelis® ZM310
Roof contact	Building protection mat 8mm (PUR-bond rubber granules)
DC-Cable	Integrated – Plug original MC4 or MC4-EVO-2; connection cable 1200mm
Power optimizer/ Module inverter	Optional power-optimizer or module inverter can be integrated into Fast PV during production
Weight (excl. PV-Module)	226 kg / 150 kg / 74 kg (Fast PV in der Version CORNER / HEAVY / LIGHT)
Distributed load	$0.29\text{kN/m}^2$ (without snow in version CORNER)
Maximum point load	$19.5\text{kN/m}^2$ without and $67\text{kN/m}^2$ including snow load
Useable module size	Width: 1085 – 1140 mm Length: 1550 – 2500 mm Frame thickness: 30 – 35 mm
Type	Half cell module
Approval	Wind evaluation by I.F.I. Institut für Industrieraerodynamik GmbH Wind- and snowloadtest by REECH Renewable Energy Solutions

Copyright: © 2024 Edelsegger Metals GmbH, Ybbsitz; All rights reserved

Licensor:

