

ALUMERO

EN



**SUSTAINABLE
SOLAR
SOLUTIONS**

easyGROUND
DATA SHEET

Your big plus

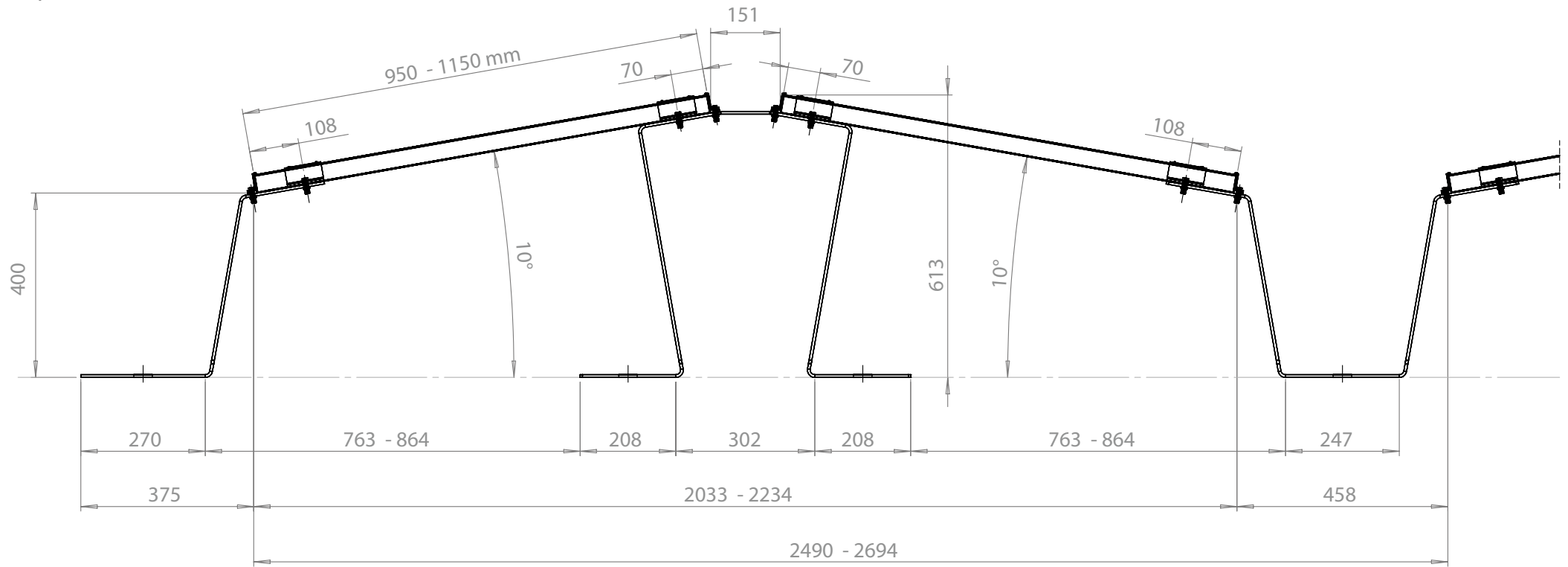
- + Tested in a wind tunnel
- + Quick and simple mounting thanks to pre-assembled components
- + Low transport costs
- + Optimum module ventilation
- + Water drains off on all sides
- + Main structure made of aluminium/stainless steel
- + Module clamps with integrated earthing pins
- + Light and durable
- + TÜV-certified according to UL 2703



Technical data

Description:	Aerodynamic mounting system for the installation of framed PV modules on open ground.
Area of application:	On meadows and cultivated areas as well as on sand, gravel, crushed rock, concrete or asphalt
Module dimensions:	950 – 1,150 mm × 1,500 – 2,250 mm (width × length)
Set-up angle:	10°, both sides
Spacing between rows:	8° internal shade angle: 609 mm
Gap to the ground:	approx. 400 mm
Max. slope of the ground:	up to 10° possible without ground anchors, over 10° only with ground anchors
Min. & max. array size:	Min. 2 double rows per 2 modules, max. 12 × 16 double rows, 384 modules or 25 × 40 m
Wind load:	Suction-wind load up to 2.4 kN/m²
Snow load	Compressive load up to 2.4 kN/m²
Design / stability	Software-supported on the basis of tests done in a wind tunnel
On-site requirements	Sufficient load-bearing capacity and pressure-bearing capacity of the ground must be ensured on site. The general conditions of business and warranty apply, as does the user agreement.
Module release	The module release must be obtained from the module manufacturer or taken from the corresponding data sheet.
Components	Module clamps with earthing pin, ground-mounting clips, ballast blocks, ballast trays, ground anchors
Materials	Load-bearing connectors made of aluminium EN AW 6060 T64, module clamps made of aluminium EN AW 6063 T66, bolts made of stainless steel A2-70, wind baffle plates and ballast trays made of steel with aluminium-zinc coating, building protection mat made of polyester fleece

easyGROUND



ALUMERO Solar.Pro.Tool

Project planning in 8 steps

- 1 Master data
- 2 Roof data
- 3 Roof measurement
- 4 PV modules
- 5 Structure
- 6 CAD diagram
- 7 Structural design
- 8 Material list

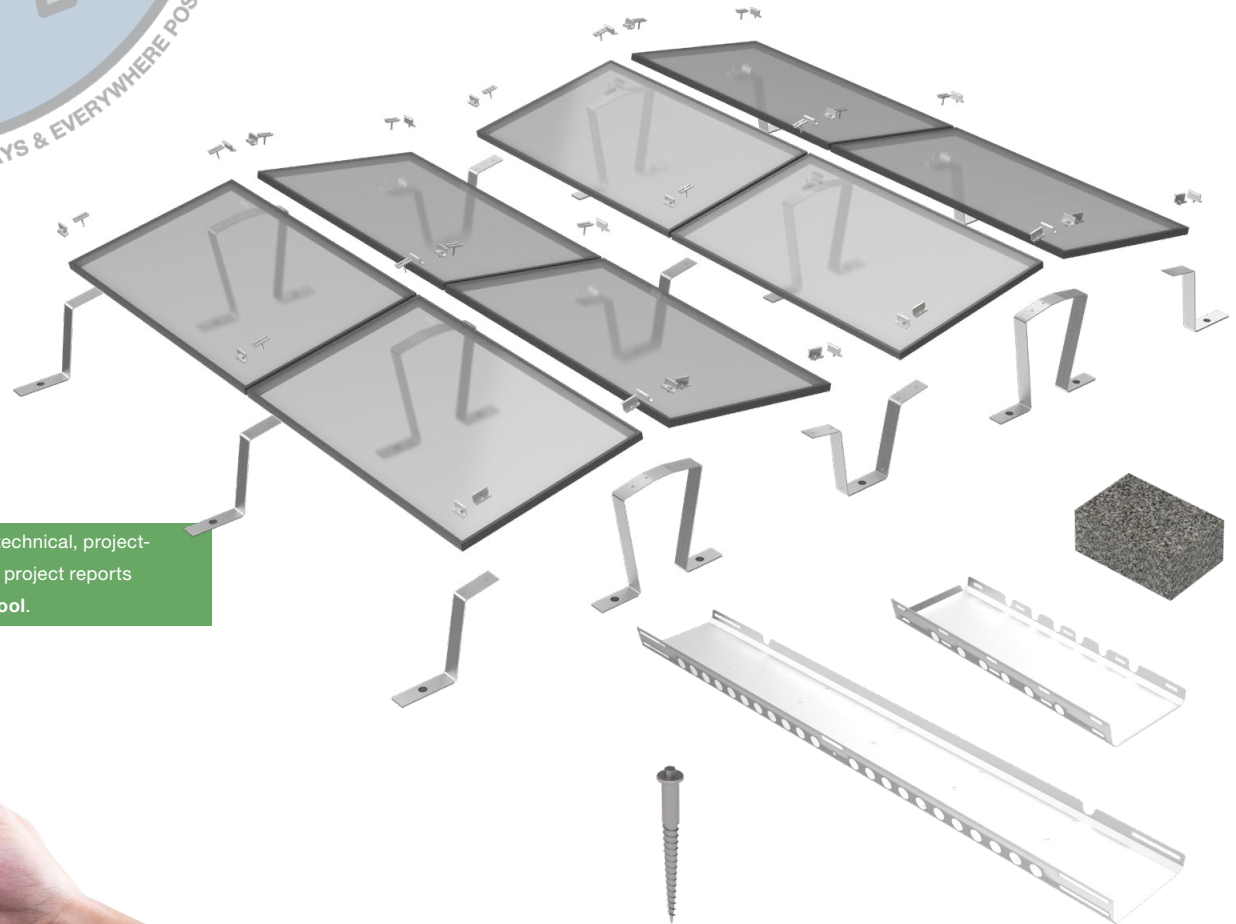


We give our customers the possibility of creating technical, project-related system designs incl. static calculation and project reports using our online software **ALUMERO Solar.Pro.Tool**.

PROJECT PLANNING - ALWAYS & EVERYWHERE POSSIBLE

System components

You can find further articles in our product catalogue or on our website: www.alumerogroup.eu





Starting support with building protection mat

Anfangsfuß mit Bautenschutzmatte
Produktnummer/Product No.: **821015**



Short ballast tray BT-880

Ballastwanne kurz BT-880
Produktnummer/Product No.: **706000-880**



Middle clamp

Mittelklemme
Produktnummer/Product No.:
Blank/sheer: **820302-30-50V P2**
Schwarz/black: **820392-30-50V P2**



Allen nut, M8 SW6

Inbusmutter, M8 SW6
Produktnummer/Product No.: **800656**
480 x 220 mm



Bodenanker 45x460

Ground anchor 45x460
Produktnummer/Product No.: **823044**



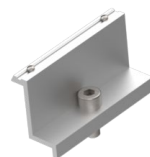
Short centre support with building protection mat

Mittelstütze mit Bautenschutzmatte
Produktnummer/Product No.: **820925**



Long ballast tray BT-1800

Ballastwanne lang BT-1800
Produktnummer/Product No.: **706001-1800**



End clamp

Abschlussklemme
Produktnummer/Product No.:
Blank/sheer: **820305-..V P2**
Schwarz/black: **820395-..V P2**



Gate hinge screw, M8x20

Torbandschraube, M8x20
Produktnummer/Product No.: **823007**



Connector with building protection mat

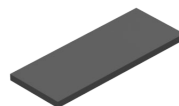
Verbinder mit Bautenschutzmatte
Produktnummer/Product No.: **820938**

Long ballast tray BT-2050

Ballastwanne lang BT-2050
Produktnummer/Product No.: **706001-2050**

Long ballast tray BT-2300

Ballastwanne lang BT-2300
Produktnummer/Product No.: **706002-2300**



Building protection mat

Bautenschutzmatte, PES
Produktnummer/Product No.: **823037V**



Washer

Unterlegscheibe
Produktnummer/Product No.: **823002-28**