

ALUMERO

DE



**SUSTAINABLE
SOLAR
SOLUTIONS**

easyLIGHT
South 15
DATASHEET

easyLIGHT South 15

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
- + No roof penetration necessary
- + Module clamps with integrated earthing pins
- + Light and durable
- + TÜV-certified according to UL 2703

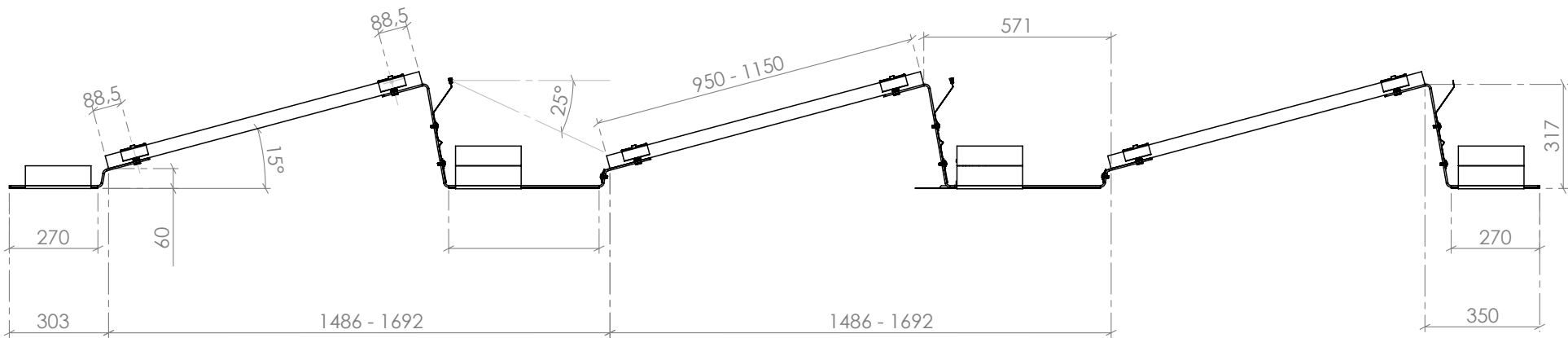


Technical data

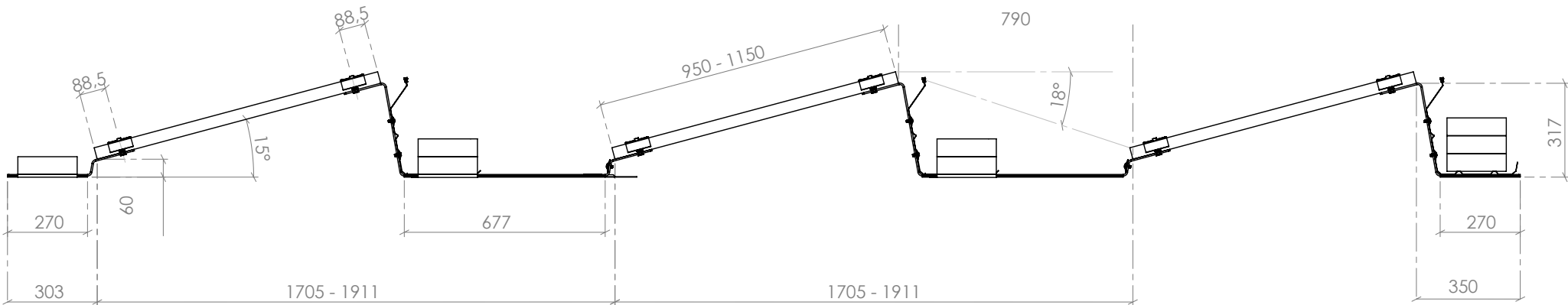
Description:	Aerodynamic mounting system for the installation of framed PV modules on flat roofs.
Area of application:	On foil and bitumen roofs with and without thermal insulation under the waterproofing layer as well as on concrete and gravel roofs and green roofs on request
Module dimensions:	950 – 1,150 mm × 1,500 – 2,250 mm (width × length)
Set-up angle:	15°, one side
Spacing between rows:	easyLIGHT S15 (25° internal shade angle): 571 mm easyLIGHT S15 (18° internal shade angle): 790 mm
Gap to the roof surface:	approx. 60 mm, may be less on gravel roof
Gap to the roof edge:	1,200 mm (smaller roof edges on request), roof areas F and G in accordance with EN 1991-1-4 can be covered.
Max. building height:	25 m (adaptation to higher buildings on request)
Max. roof pitch:	up to 5° possible without roof anchors, over 5° only with roof anchors
Min. & max. array size:	Min. 1 row per 2 modules, max. 12 × 10 double rows, 120 modules or 20 × 20 m
Wind load:	Suction-wind load up to 2.4 kN/m ²
Snow load	Compressive load easyLIGHT S15 standard up to 2.4 kN/m ² Compressive load easyLIGHT S15 alpine up to 4.4 kN/m ²
Design / stability	Software-supported on the basis of tests done in a wind tunnel
On-site requirements	Sufficient static load-bearing capacity of the roof structure and the building structural system as well as a sufficient pressure-bearing capacity of the roof construction 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, flat roof clips, wind baffle plates, ballast blocks, ballast trays, roof 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

Technical drawings

Flat roof S15 – 571 mm



Flat roof S15 – 790 mm



ALUMERO Solar.Pro.Tool

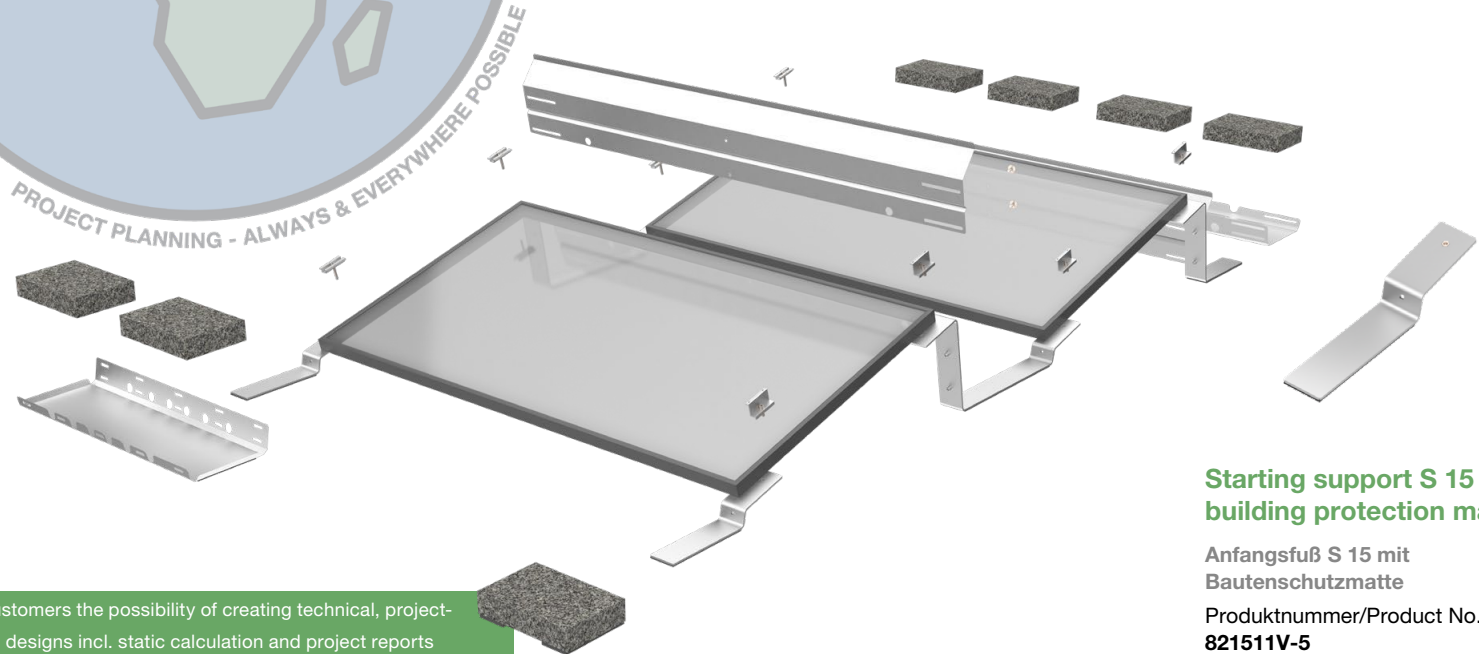
Project planning in 8 steps

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



System components

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



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**.

Starting support S 15 with building protection mat

Anfangsfuß S 15 mit
Bautenschutzmatte

Produktnummer/Product No.:
821511V-5



Ending support S 15 with building protection mat

Endfuß S 15 mit Bautenschutzmatte

Produktnummer/Product No.:
821521V-5





Connector S 15 short with building protection mat

Verbinder S 15 kurz mit Bautenschutzmatte

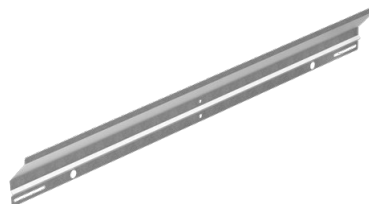
Produktnummer/Product No.: **821532V-5**



Alpine support front S 15 with building protection mat

Alpinstütze vorne S 15 mit Bautenschutzmatte

Produktnummer/Product No.: **821561V-5**



Wind deflector plate S 15

Windleitblech S 15

Produktnummer/Product No.:
L 1800 mm: **706151-1800**
L 2050 mm: **706151-2050**
L 2300 mm: **706151-2300**



Ballast tray long BT-1800

Ballastwanne lang BT-1800

Produktnummer/Product No.: **706001-1800**



Edge clip

Kantencлип

Produktnummer/Product No.: **800707**

Connector S 15 long with building protection mat

Verbinder S 15 lang mit Bautenschutzmatte

Produktnummer/Product No.: **821531V-5**



Alpine support rear S 15 with building protection mat

Alpinstütze hinten S 15 mit Bautenschutzmatte

Produktnummer/Product No.: **821552V**



Middle clamp

Mittelklemme

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

Ballast tray long BT-2050

Ballastwanne lang BT-2050

Produktnummer/Product No.: **706001-2050**

Ballast tray long BT-2300

Ballastwanne lang BT-2300

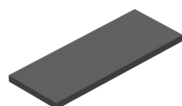
Produktnummer/Product No.: **706002-2300**



Gate hinge screw, M8x20

Torbandschraube, M8x20

Produktnummer/Product No.: **823007**



Building protection mat PES

Bautenschutzmatte, PES

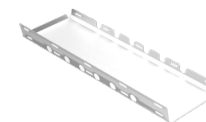
Produktnummer/Product No.: **823037V**



End clamp

Abschlussklemme

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



Ballast tray short BT-880

Ballastwanne kurz BT-880

Produktnummer/Product No.: **706000-880**



Allen nut, M8 SW6

Inbusmutter, M8 SW6

Produktnummer/Product No.: **800656**



Washer

Unterlegscheibe

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



Allen screw

Inbusschraube

Produktnummer/Product No.: **800612**