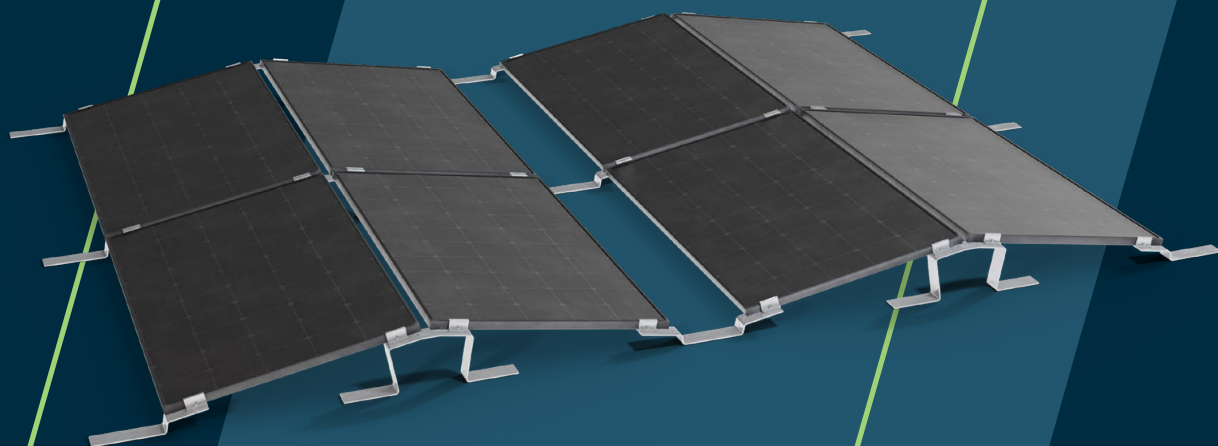
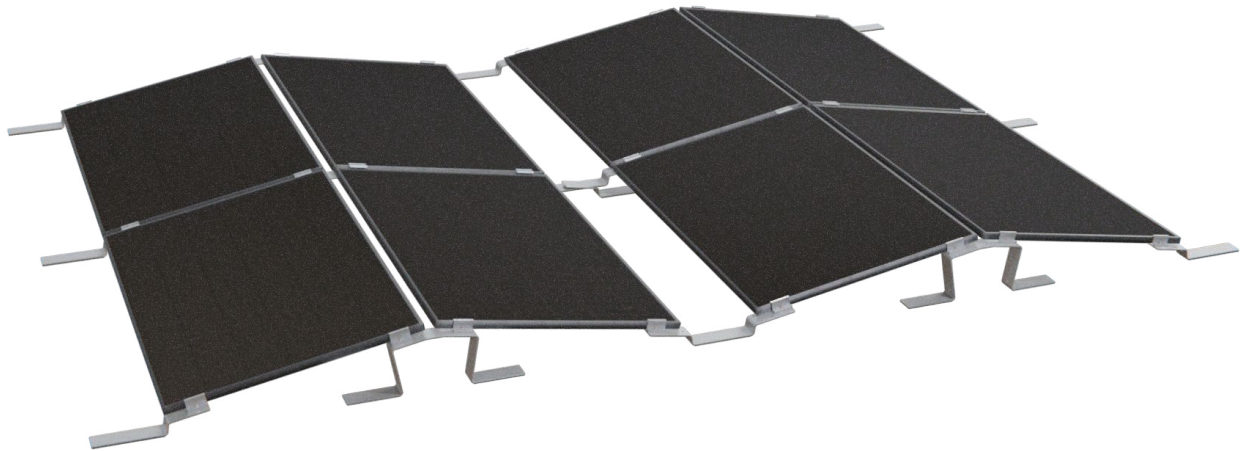




datasheet

easyLIGHT e/w 10



A real lightweight thanks to optimized material usage

Our tried-and-tested, aerodynamic easyLIGHT flat roof system impresses with its low weight, attractive pricing and quick, uncomplicated assembly. With the optional Alpine supports, even high snow loads can be managed.

Features & Benefits

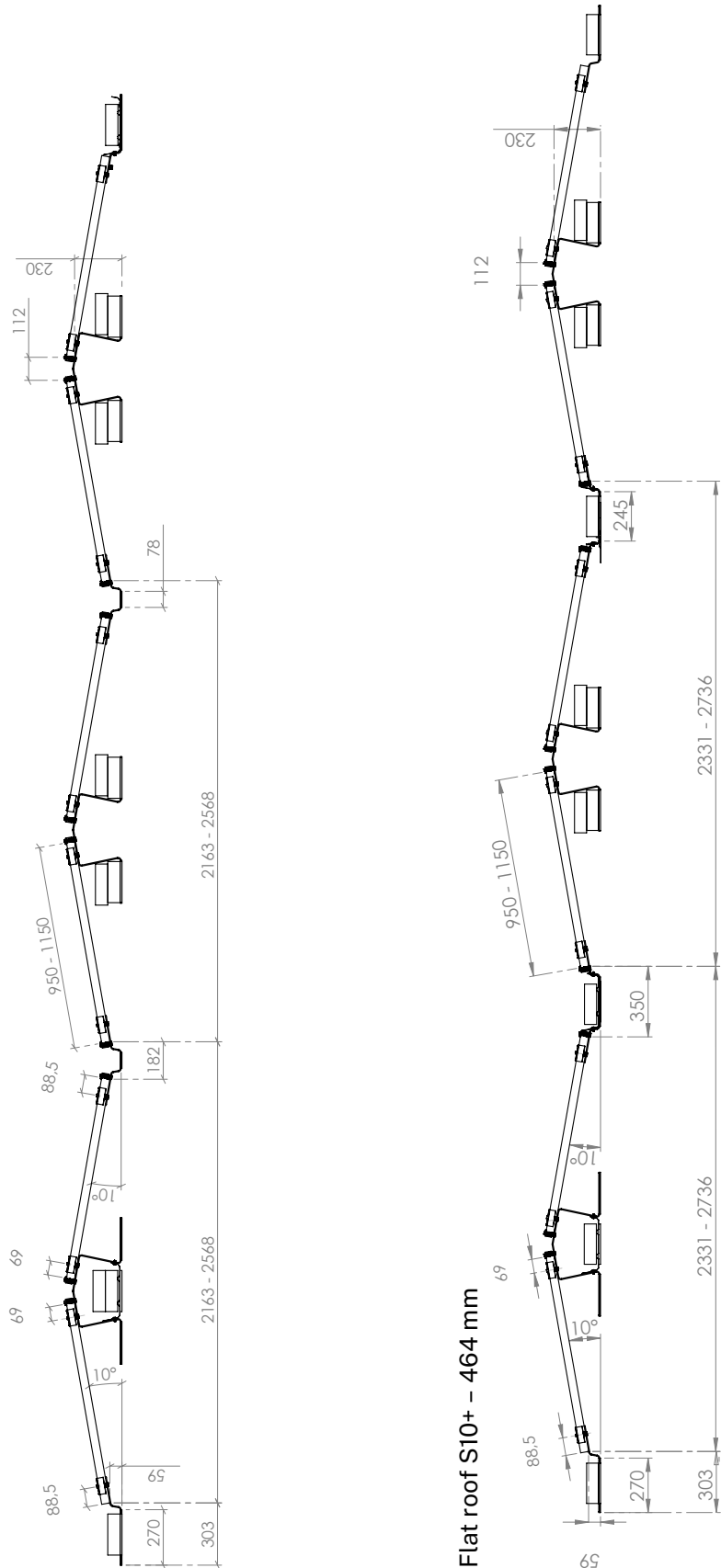
- > East / west and south variants
- > Wind tunnel tested
- > Fast and easy installation thanks to pre-assembled components
- > Low transport costs
- > Optimal module ventilation
- > Water drainage on all sides
- > Main structure made of aluminium/stainless steel
- > No roof penetration required
- > Module clamps with integrated earthing pins
- > Lightweight and resilient
- > UL 2703 TÜV-certified

Technical data

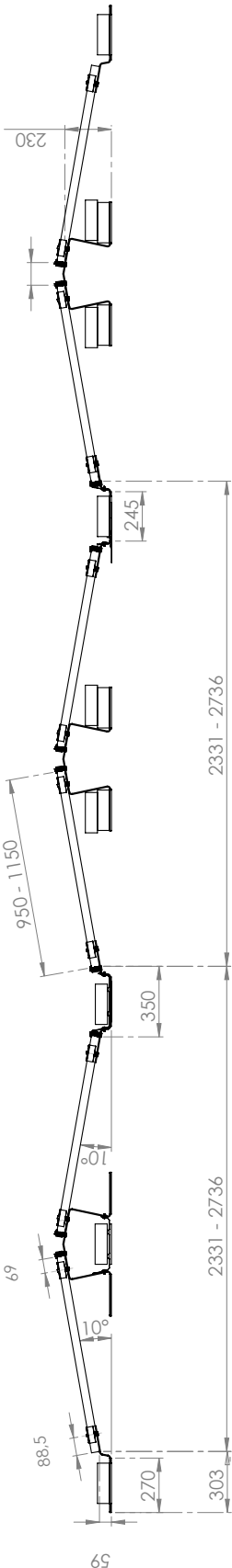
Description:	Aerodynamic mounting system for the installation of framed PV modules on flat roofs.
Area of application:	On foil and bitumen roofs with and without thermal insulation under the waterproofing layer as well as on concrete and gravel roofs and green roofs on request
Module dimensions:	950 – 1,150 mm × 1,500 – 2,250 mm (width × length)
Set-up angle:	10°, both sides
Spacing between rows:	easyLIGHT E/W 10 (8-18° internal shade angle): 464 mm easyLIGHT E/W 10 (10° internal shade angle): 297 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 double row per 2 modules, max. 12 × 8 double rows, 192 modules or 20 × 20 m
Wind load:	Suction-wind load up to 2.4 kN/m ²
Snow load	Compressive load easyLIGHT E/W 10 standard up to 2.4 kN/m ² Compressive load easyLIGHT E/W 10 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 S10+ – 297 mm



Flat roof S10+ – 464 mm



Components



Starting support with building protection mat

Material: EN AW 6060 | T64

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
S10 & EW	Silver	0,820 KG	PCS.	10	320	821011V-5



Short centre support with building protection mat

Material: EN AW 6060 | T64

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
EW	Silver	1,850 kg	Pcs.	-	90	820921V-5



Connector with building protection mat

Material: EN AW 6060 | T64

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
S10	Silver	1,420 kg	Pcs.	-	140	821032V-5
S10 SHORT	Silver	1,700 kg	Pcs.	-	140	821031V-5
EW	Silver	1,130 KG	PCS.	-	340	820931V-5
EW SHORT	Silver	0,750 KG	PCS.	-	540	820933V-5



Ending support with building protection mat

Material: EN AW 6060 | T64

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
S10	Silver	1,050 kg	Pcs.	10	320	821021V-5



Middle clamp 30-50 with pins

Material: EN AW 6063 | T66 | Stainless steel A2-70

For module frame height	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
30 - 50 MM	Silver	0,087 kg	Pcs.	50	5000	820302-30-50V P2
30 - 50 MM	Black	0,087 kg	Pcs.	50	5000	820392-30-50V-P2



End clamp with pins

Material: EN AW 6063 | T66 | Stainless steel A2-70

For module frame height	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
30 MM	Silver	0,054 kg	Pcs.	50	6000	820305-30V P2
32 MM	Silver	0,060 kg	Pcs.	50	6000	820305-32V P2
35 MM	Silver	0,057 KG	Pcs.	50	6000	820305-35V P2
40 MM	Silver	0,061 KG	Pcs.	-	-	820305-40V P2
30 MM	Black	0,054 KG	Pcs.	50	6000	820395-30V P2
32 MM	Black	0,060 KG	Pcs.	50	6000	820395-32V P2
35 MM	Black	0,057 KG	Pcs.	50	6000	820395-35V P2

Components



Alpine support with building protection mat

Material: EN AW 6060 | T64

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
S10 & EW	Silver	0,450 KG	PCS.	10	320	821061V-5



Alpine support rear with building protection mat

Material: EN AW 6060 | T64

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
S10	Silver	0,451 KG	PCS.	10	320	821052V



Ballast tray long

Material: DX51D | Z275

For module length	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
1800 mm	Silver	3,180 kg	PCS.	160	-	706001-1800
2050 mm	Silver	3,650 kg	PCS.	160	-	706001-2050
2300 mm	Silver	4,040 KG	PCS.	160	-	706002-2300



Ballast tray short

Material: DX51D | AZ185

For module length	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
880 MM	Silver	1,510 kg	PCS.	-	320	706000-880



Wind deflector plate

Material: DX51D | Z275

For module length	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
1800 MM	Silver	1,740 kg	PCS.	600	-	706101-1800
2050 MM	Silver	1,980 kg	PCS.	600	-	706101-2050
2300 MM	Silver	2,230 KG	PCS.	600	-	706101-2300



Edge clip for wind deflector plate

Material: Polyamid / PV-resistant

Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
Black	0,002 kg	PCS.	100	-	800707



Roof mounting connector

Material: EN AW 6060 | T64

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
CONNECTOR 3	Silver	0,220 kg	PCS.	100	2400	823005

Components



Roof mounting connector

Material: EN AW 6060 | T64

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
CONNECTOR 1	Silver	0,150 kg	PCS.	200	4800	823006



Gate hinge screw

Material: Stainless steel A2-70

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
M8X20	Silver	0,015 kg	PCS.	200	-	823007



Allen screw

Material: Stainless steel A2-70

Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
M8X30	Silver	0,016 kg	PCS.	200	-	800612



Allen nut

Material: Stainless steel A2-70

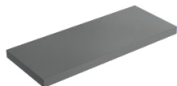
Type	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
M8 SW6	Silver	0,011 kg	PCS.	1200	-	800656



Washer

Material: Stainless steel A2-70 | Outer diameter: 28 mm | Inner diameter: 8.4 mm

Farbe	Gewicht/Stk.	ME	VPE	GVP	Produktnr.
Silver	0,060 kg	PCS.	100	1000	823002-28



Building protection mat pes

Material: Fleece

Dimensions (LxWxH)	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
200X80X10 MM	Black	0,030 kg	PCS.	250	-	823037V



Cable tie incl. clip

Material: PA 66 | UV-resistant

To secure the cables to the module frame

Length	Color	Weight/Pcs.	Unit	PU	LP	Prod. No.
200 mm	Black	0,003 kg	PCS.	100	4000	800706

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