

DiaSolar ALT

Solar system integrated in the layer structure

Article Nr: 180229

Document number: PDS-180229-02

Previous version: PDS-180229-01



Product Data Sheet

■ Green up the roof!

	Penetration-free, quick-to-install, cost-effective PV mounting a. Weather-resistant design with a minimum panel height of 30 cm for optimal ventilation. Ideal for green roofs or gravel-ballasted surfaces. Recommended layer structure: plant substrate, drainage plate, geotextile.	
	Unit	DiaSolar ALT
Panel size of DiaSolar:	mm	Standard: 2020 × 1100 × 25 Compatible with other sizes
Weight:	kg / pcs	4.5 (without load, without pv-modul)
Material:		Aluminium
Module inclination:		10–15° (standard) / 5–35° (in 5° increments)
Ballasting:		The ballast and spacing of the panel must be calculated by DIADEM® in accordance with the Wind Zone Plan
Roof connection:		No structural connection to the roof required
Roof inclination:		maximum 5°
DiaDrain-25H drainage board		Compatible with other sizes
Water storage capacity:	l / m ²	11.8
Compressive strength (unfilled):	kN / m ²	510 (±10%)
Water drainage capacity 20 kPa, i=0,01	l / (m × s)	0.35 (± 5%)
Water drainage capacity 20 kPa, i=1	l / (m × s)	3.60 (±5%)

Up to date from: 08.01.2026

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COMPONENTS		
Product number	Part Name	Specification / Standard
180248	ALT Base Plate	
180249	ALT Front Support Leg	
180250	ALT Rear Support Leg	
310203	DiaDrain-25H	
180251	PV Mounting Rail	
180252	Hammer Head Bolt M8×20 (28/15) A2	
180253	Serrated Hex Flange Nut M8	DIN 6923, SS A4
180254	Mounting Rail Connector	
180255	Mid Clamp	
180256	End Clamp	
180257	Countersunk Phillips Screw M8×50	DIN 965, A4
180258	Hex Nut M8	DIN 934, A4
180259	Flat Washer M8	DIN 125-A, A4
180260	Spring Washer M8	DIN 127-B, A4
180261	PP Spacer Ring Ø30×Ø16×10 mm	
180262	Hex Head Bolt M8×65, partially threaded	DIN 931, A4
180263	Self-Drilling Screw JT3-6	
180264	Aluminum Spacer Sleeve Ø8.5×38 mm	

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