



POWER ALPIN MODULE

FOR HIGH SNOW LOADS

325 Wp Alpin black

Maximum load capacity

Suitable for areas with high snow loads, depending on the installation situation, can withstand loads of up to 8000 Pa

Stable frame concept

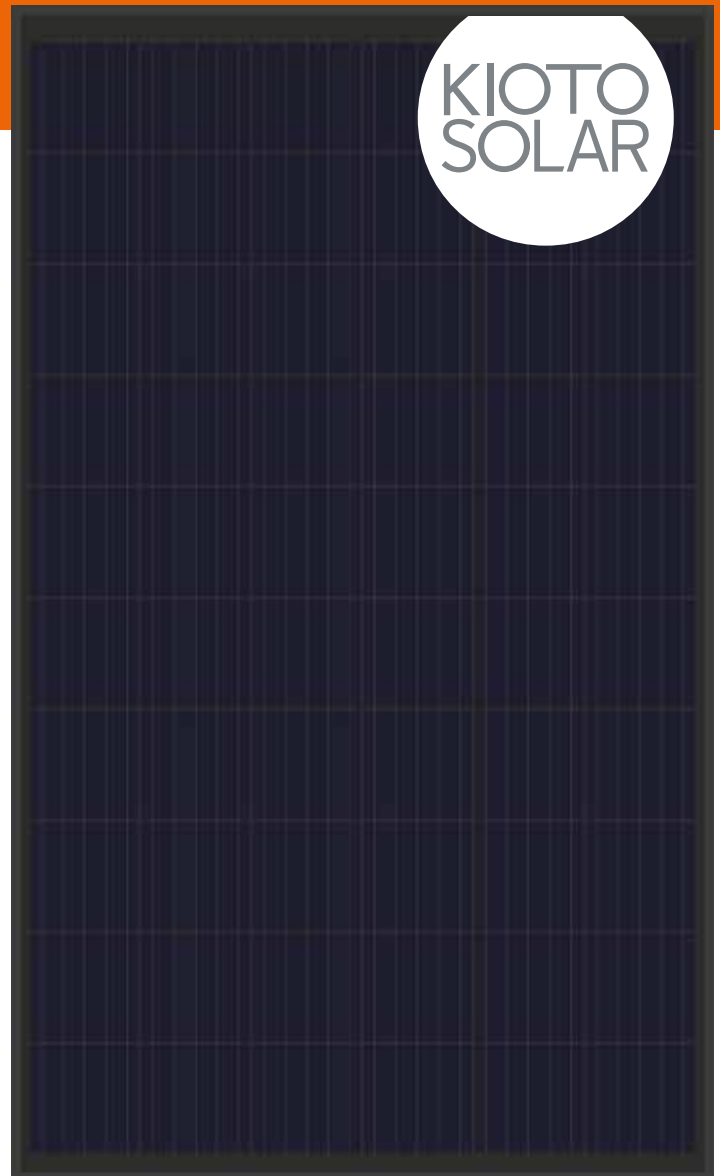
40 mm aluminium frame with mitre cut for highest technical safety (increased wall thickness) and flexibility (mounting holes)

Anti-reflective coating

Strong 4 mm solar glass panel with reduced glare thanks to anti-reflective coating

Stronger module design

Greater module reinforcement thanks to optional backrails on the back of the module



EXTREME!

The most stable module for the toughest conditions.

POWER ALPIN for high snow loads

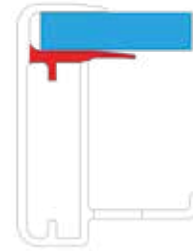
325 Wp	
Module data	Alpin black
P _{mp}	325 Wp
U _{mp}	33.81 V
I _{mp}	9.65 A
U _{oc}	40.12 V
I _{sc}	10.09 A
Efficiency	19.31%
Space requirement/kWp	5.18 m ²

Electrical data	
Cells	60 full cells (6 x 10) 158.75 x 158.75 mm (5 busbar)
Connection and plug system	centralised junction box with original Stäubli MC4 connectors
Max. system voltage	1000 V DC
Power tolerance	+5 W / -0 W (measurement under standard test conditions)
Temperature coefficients	P _{mp} -0.37%/K U _{oc} -0.7%/K I _{sc} +2.85 mA/K
Maximum return current	15 A
Operating temperature	+85 °C to -40 °C
Cable length	2 x 1000 mm
Bypass diodes	3 piece
Performance guarantee	min. 97% in the first year, thereafter max. reduction by 0.7% p.a. up to 25 years
Product guarantee	12 years

Technical data	
Weight	incl. frame: 21.50 kg Laminate: 18.50 kg
Dimensions (HxWxD)	incl. frame: 1680 x 1002 x 40 mm (± 3 mm) Laminate: 1673 x 995 x 5 mm (± 3 mm)
optical design	black anodised frame backsheet: front side black, rear side white
Glass specifications	4.0 mm ESG solar glass panel with high-strength anti-reflective coating
Test certificate	IEC 61215, ed. 2, incl. extended, inhomogeneous load test according to SPF test basis up to 8000 Pa depending on installation situation, IEC 61730; IP 65
Extended hail test	Qualification for HW4
Salt mist test	Min. 96 hours in a high-concentrate salt mist
Ammonia resistance	1500 hours at 750 ppm ammonia concentration
Packaging configuration	24 modules/pallet, 720 modules/lorry

Alpin frame

- Particularly robust frame
- Use for increased snow loads
- Extended laminate bearing surface, reinforced frame, improved constructive geometry

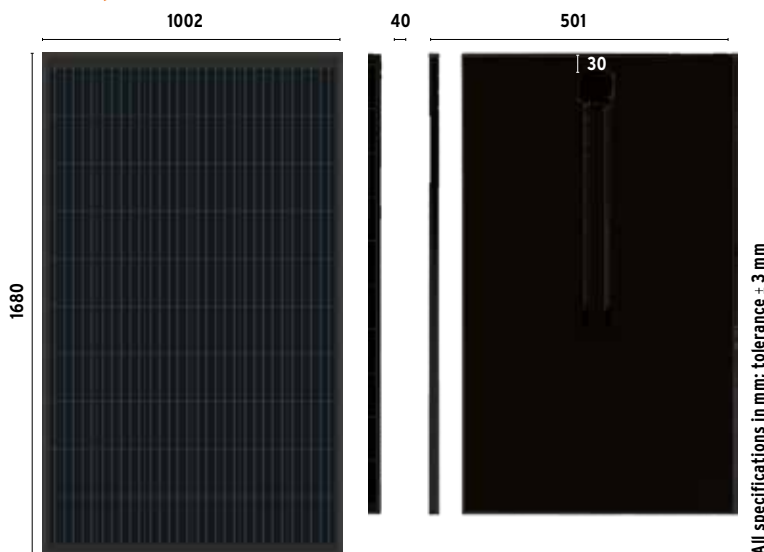


Optionally available: backrails

- Reinforcement of the frame in the case of transverse mounting
- Highest load capacity, tested with backrails to 8000 Pa according to SPF test specification with inhomogeneous snow load



325 Wp



Additional installation instructions to achieve 8000 Pa snow load (on-roof)

