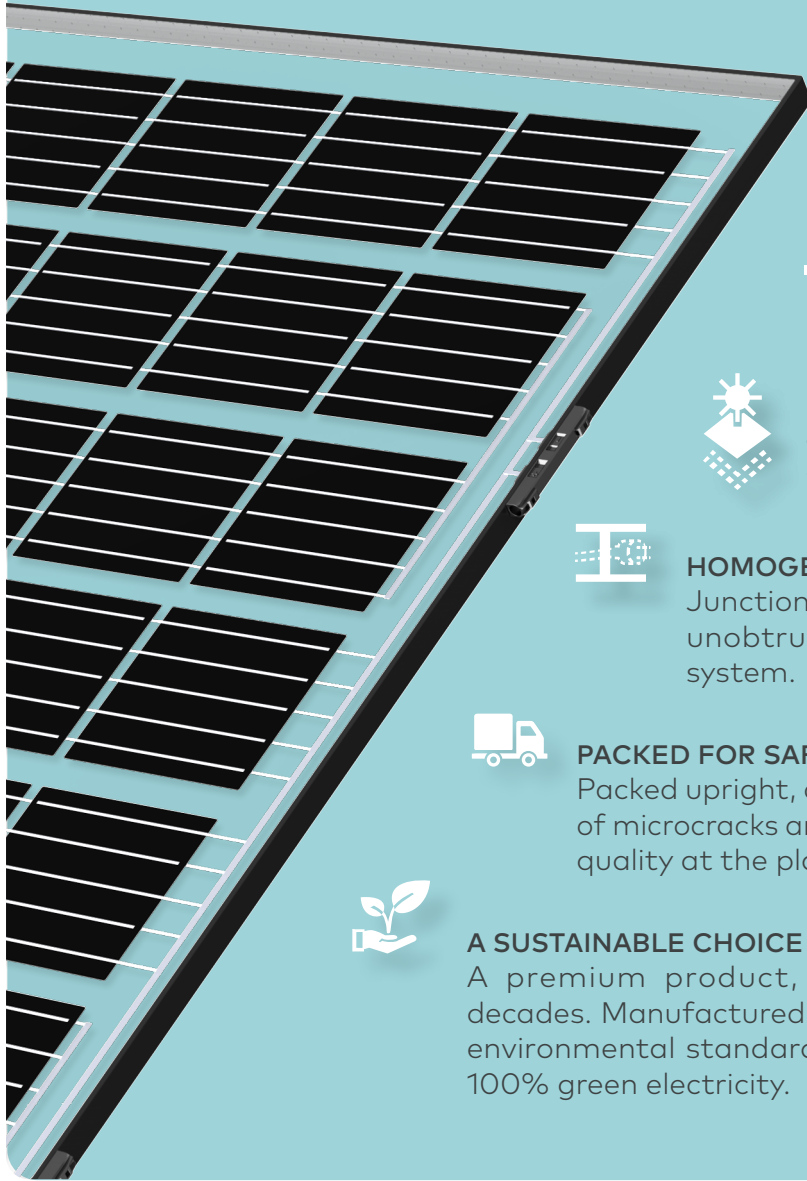


# ISOLANTE 210 W

Premium PV Panel

## Solar insulating glass.



### BUILDING PRODUCT

Insulating and thermal glazing for façades and roofing in buildings.



### ISOLATION

Double glazing with U-value 1.1 W/(m<sup>2</sup>K).  
Triple glazing on request.



### TRANSPARENCY ~28%

The perfect balance of light and shadow.



### HOMOGENEOUS OPTICS

Junction boxes can be installed unobtrusively in the mounting system.



### PACKED FOR SAFE TRANSPORT

Packed upright, avoiding the emergence of microcracks and thus ensuring factory quality at the place of delivery.



### A SUSTAINABLE CHOICE

A premium product, which lasts for decades. Manufactured according to rigid environmental standards. Produced with 100% green electricity.

## MADE IN GERMANY!

Right here. In Prenzlau. In our production facility. Here we manufacture under the aspects of quality & durability since 2001.

## FULL SERENITY



30 Years linear  
**Power Guarantee\***



30 Years  
**Product Warranty\***

100% cost recovery of guarantee claims.

Under the terms and conditions of the respective guarantee certificate.

\* The product and performance guarantee applies only to the PV component of the insulating glass.

QUALITY UNDER HAND AND SEAL



# aleo solar PV-Insulating glass Isolante

## BASIC DATA PV-INSULATING GLASS

Length x width x height	[mm]	1600 x 950 x 33.8
Weight	[kg]	54
Number of cells		40
Cell size	[mm]	158.75 x 158.75
Cell material		Monocrystalline Si, PERC
Front glass		PV module Elegante (4 + 4 mm TSG with AR coating)
Space in between		Argon gas
Back glass		4 + 4 mm laminated safety glass
U-value	[W/(m²K)]	1.1 (according standard for heatsaving glazing)

## BASIC DATA JUNCTION BOX

Length x width x height	[mm]	105.8 x 15.5 x 12.5
IP class		IP67
Cable length	[mm]	820
Connectors		TE Slim Line
Bypass diodes		2 (one per junction box)

## TEMPERATURE COEFFICIENTS (PV MODULE)

Temperature coefficient $I_{sc}$	$\alpha (I_{sc})$	[%/K]	+0.05
Temperature coefficient $V_{oc}$	$\beta (V_{oc})$	[%/K]	-0.29
Temperature coefficient $P_{MPP}$	$\gamma (P_{MPP})$	[%/K]	-0.40

## ELECTRICAL DATA (STC) (PV MODULE)

I40D200

Rated power	$P_{MPP}$ [W]	210
Rated voltage	$V_{MPP}$ [V]	22.3
Rated current	$I_{MPP}$ [A]	9.42
Open-circuit voltage	$V_{oc}$ [V]	27.1
Short-circuit current	$I_{sc}$ [A]	9.91
Efficiency	$\eta$ [%]	13.8

Electrical values measured under standard test conditions (STC): 1000 W/m²; 25°C; AM 1.5

## ADDITIONAL ELECTRICAL DATA (PV MODULE)

Reduction of STC efficiency from 1000 W/m² to 200 W/m²	[%] rel.	< 2
Classification range (positive classification)	[W]	0/+9.99

Measurement tolerance of  $P_{MPP}$  under STC -3/+3% | Accuracy of other electrical values -10/+10% | Efficiency relating to gross PV-safety glass area

## CERTIFICATIONS AND WARRANTY (PV MODULE)

Product Guarantee*	30 years
Power Guarantee*	30 years
Fire Resistance	Class A
Protection Against Electric Shock	II
Certifications	architectural certification from DIBt

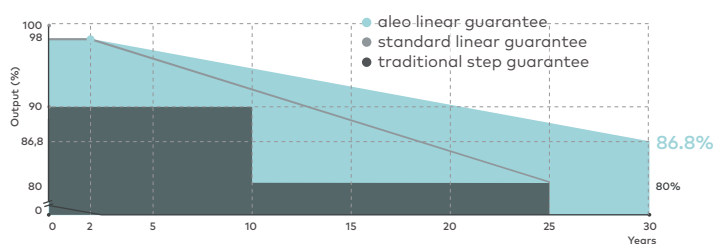
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## PHOTOMETRIC DATA

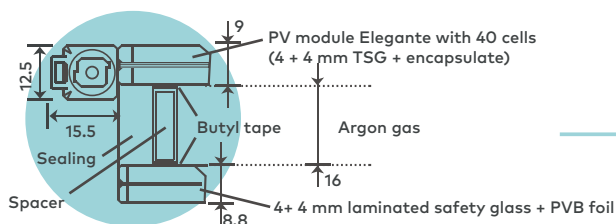
U value	[W/(m²K)]	1.1 (according to standard for thermal insulation glazing)
g-value		0,33**

\*\*The value was calculated with the programme "SommerGlobal" under the boundary condition "summer" for the assessment of comfort and cooling load according to DIN EN ISO 52022-3 point 6.4.6. There is currently no regulation and measurement procedure for determining the g-value for mono-Si PV modules.

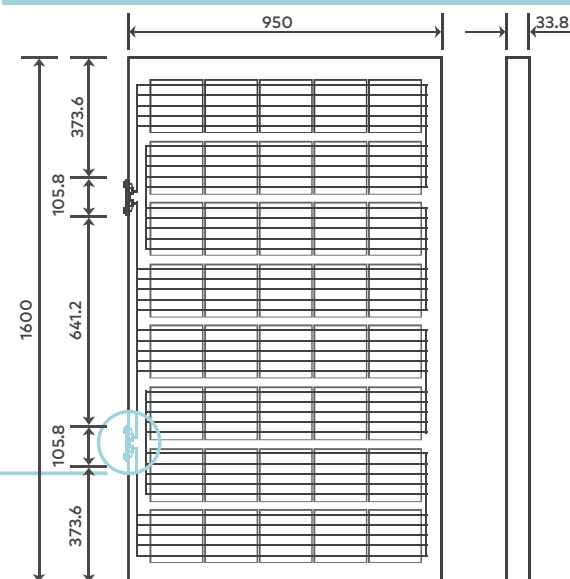
## PERFORMANCE GUARANTEE



## CONSTRUCTION ISOLANTE INCL. DIMENSIONS JUNCTION BOX [mm]



## DIMENSIONS [mm]



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

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