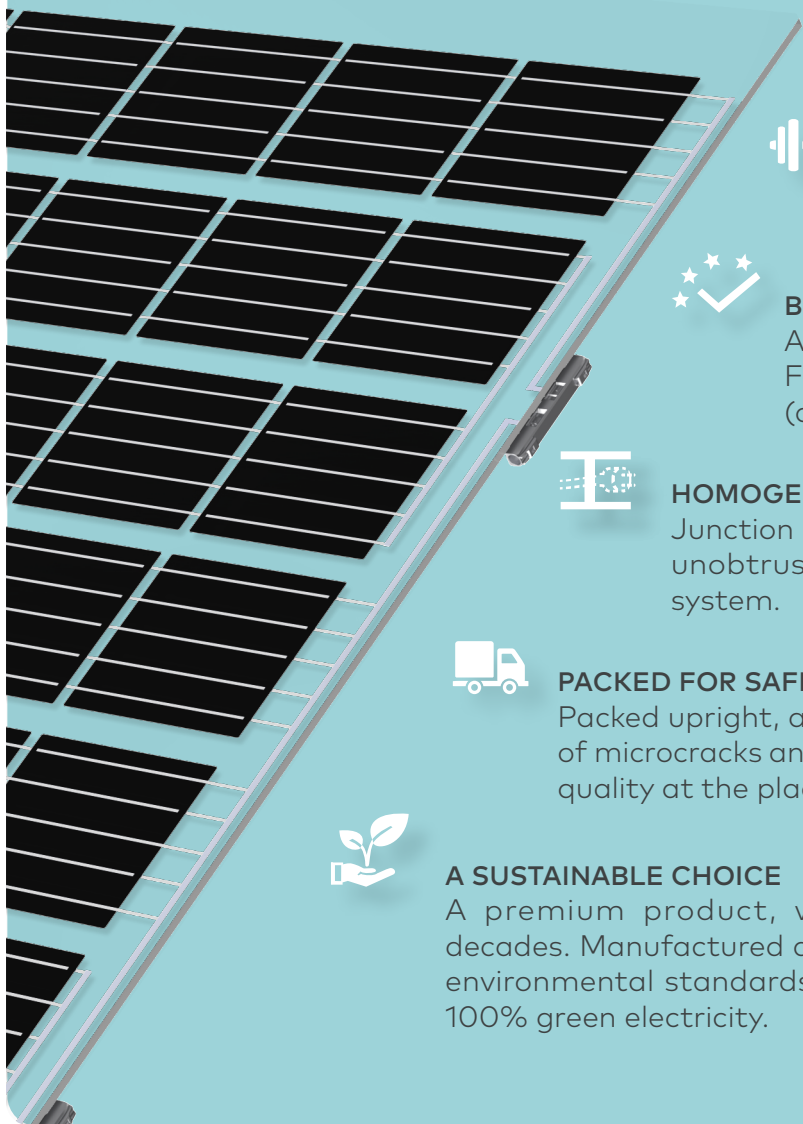


# ELEGANTE 210 Wp

Premium PV Panel

## Solar safety glass.



**TRANSPARENCY** ~28%  
The perfect balance of light and shadow.



**ROBUST**  
Strong construction -  
2 x 4 mm partially tempered glass.



**BUILDING PRODUCT**  
According to guideline DIN 18008.  
For vertical and overhead glazing  
(abZ of DIBt Z-70.3-232).



**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.

QUALITY UNDER HAND AND SEAL



# aleo solar PV-safety glass Elegante

ELECTRICAL DATA (STC)		G40C210
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/m<sup>2</sup>; 25°C; AM 1.5

BASIC DATA	
Length x width x height	[mm] 950 x 1600 x 9 (12.5 mm height junction box)
Weight	[kg] 31.5
Number of cells	40
Cell size	[mm] 158.75 x 158.75
Cell material	Monocrystalline Si, PERC,
Number of bus bars	5
Front glass	4.0 mm Solar glass (TSG)
Back glass	4.0 mm Solar glass (TSG)

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)

LOADS	
Max. pressure load	[Pa] 7500*
Max. suction load	[Pa] 5400*
Max. system voltage	[V <sub>DC</sub> ] 1000
Reverse current load	$I_R$ [A] 20
Mechanical load acc. to IEC/EN 61215	
* Please observe the mounting conditions in the installation manual	

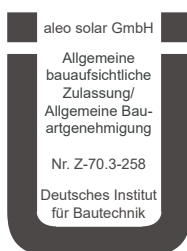
TEMPERATURE COEFFICIENTS			
Temperature coefficient $I_{SC}$	$\alpha(I_{SC})$	[%/K]	+0.05
Temperature coefficient $V_{OC}$	$\beta(V_{OC})$	[%/K]	-0.29
Temperature coefficient $P_{MPP}$	$\gamma(P_{MPP})$	[%/K]	-0.40

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

ADDITIONAL ELECTRICAL DATA		
Reduction of STC efficiency from 1000 W/m <sup>2</sup> to 200 W/m <sup>2</sup>	[%] rel.	< 2
Classification range (positive classification)	[W]	0/+9.99

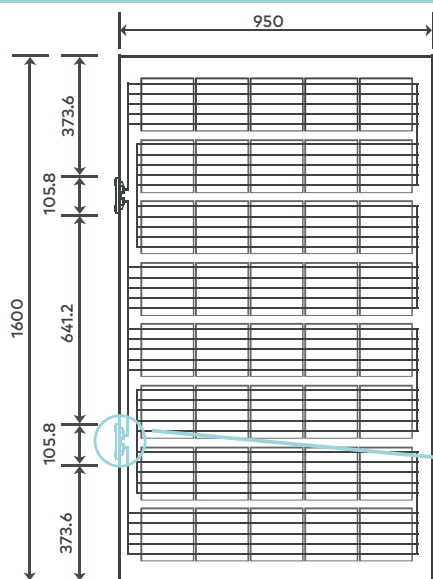


The regulations of laminated safety glass according to DIN 18008 apply to the planning, dimensioning and execution of the glazing.

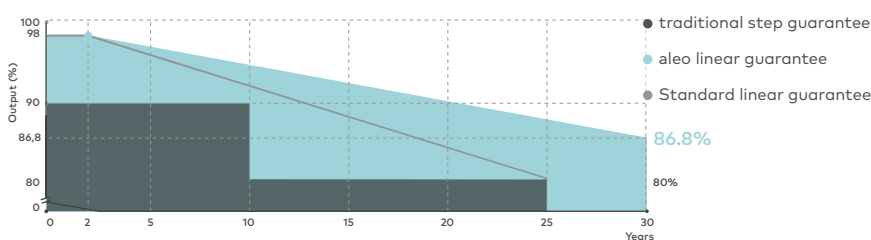


CERTIFICATIONS AND WARRANTY	
Product Guarantee	30 years
Power Guarantee	30 years
Fire Resistance	Class A according to IEC 61730-2
Protection Against Electric Shock	II
Certifications	architectural certification from DIBt

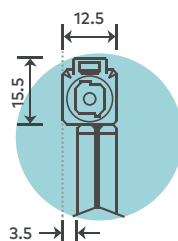
## DIMENSIONS [mm]



## PERFORMANCE GUARANTEE



## DIMENSIONS JUNCTION BOX [mm]



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

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