

ELEGANTE 210 W

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 DIN 18008 standard.
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 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.

RUNDUM SORGLOS



Years linear
Power Guarantee



Years
Product Warranty

100% cost recovery of guarantee claims.

Under the terms and conditions of the respective guarantee certificate.

QUALITY UNDER HAND AND SEAL



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aleo

aleo solar PV-safety glass Elegante

ELECTRICAL DATA (STC)

G40C200

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]	9.71
Efficiency	η [%]	13.2

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

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		2 Tyco wing edge
Bypass diodes		2 (one per junction box)

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

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]	156.75 x 156.75
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)

LOADS

Max. pressure load	[Pa]	7500*
Max. suction load	[Pa]	5400*
Max. system voltage	$[V_{OC}]$	1000
Reverse current load	I_R [A]	20

Mechanical load acc. to IEC/EN 61215

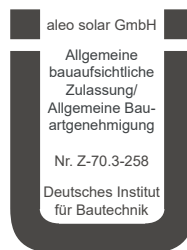
* Please observe the mounting conditions in the installation manual

ADDITIONAL ELECTRICAL DATA

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



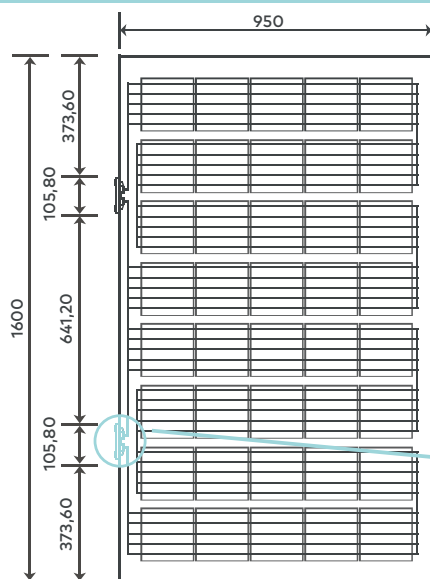
The regulations of the „DIN 18008 - Glass in Building“ series of standards apply to the planning, dimensioning and execution of glazing.



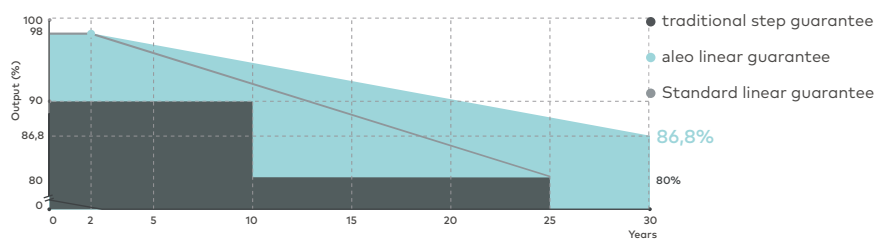
CERTIFICATIONS AND WARRANTY

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

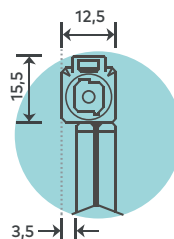
DIMENSIONS [mm]



PERFORMANCE GUARANTEE



MAßE ANSCHLUSSDOSE [mm]



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

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