

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 tempered glass.



BUILDING PRODUCT

According to guideline DIN 18008.
For vertical and overhead glazing
(abZ of DIBt Z-70.3-258).



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 facto-
ry 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



Years linear
Power Guarantee



Years
Product Guarantee

100% cost recovery of guarantee claims.

Under the terms and conditions of the respective guarantee certificate.

QUALITY UNDER HAND AND SEAL



aleo
www.aleo-solar.com

aleo solar PV-safety glass Elegante 210 W

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	η	[%]	13.8

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		TE Slim Line
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]	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)

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

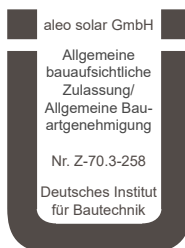
* Please observe the mounting conditions in the installation manual

ADDITIONAL ELECTRICAL DATA

Reduction of STC efficiency from 1000 W/m ² to 200 W/m ²	[%] rel.	< 2
Classification range	[W]	-/+4.99



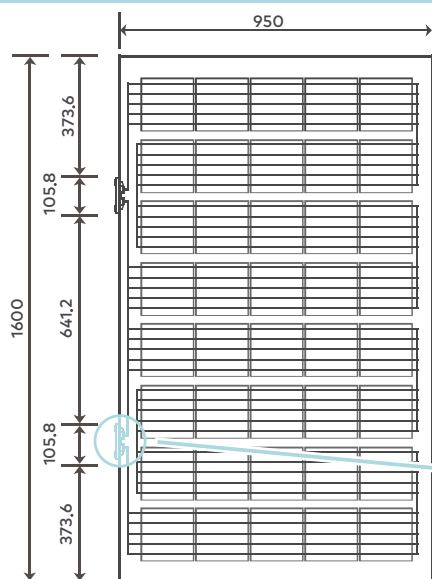
The regulations of laminated safety glass according to DIN 18008 apply to the planning, dimensioning and execution of the glazing.



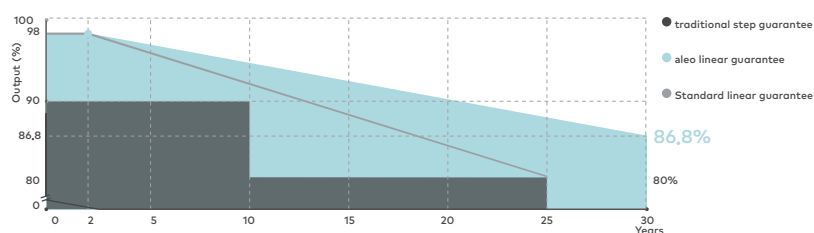
CERTIFICATIONS AND WARRANTY

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

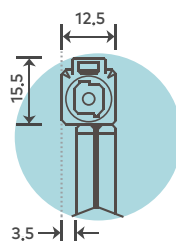
DIMENSIONS [MM]



PERFORMANCE GUARANTEE



DIMENSIONS JUNCTION BOX [MM]



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

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