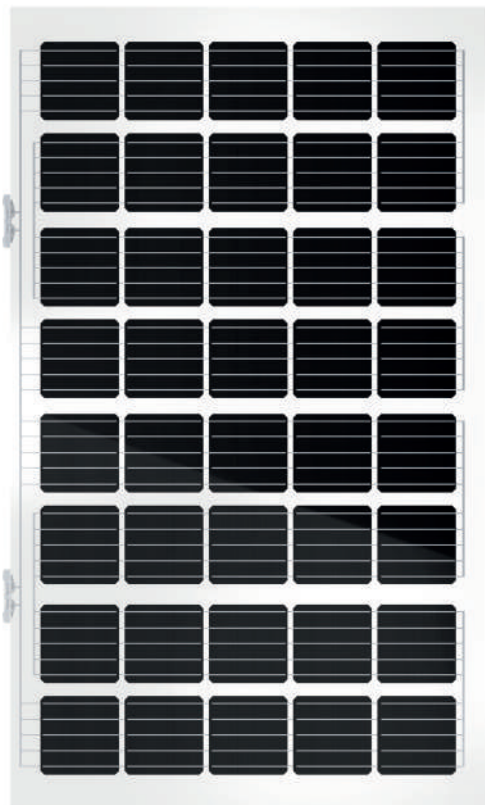
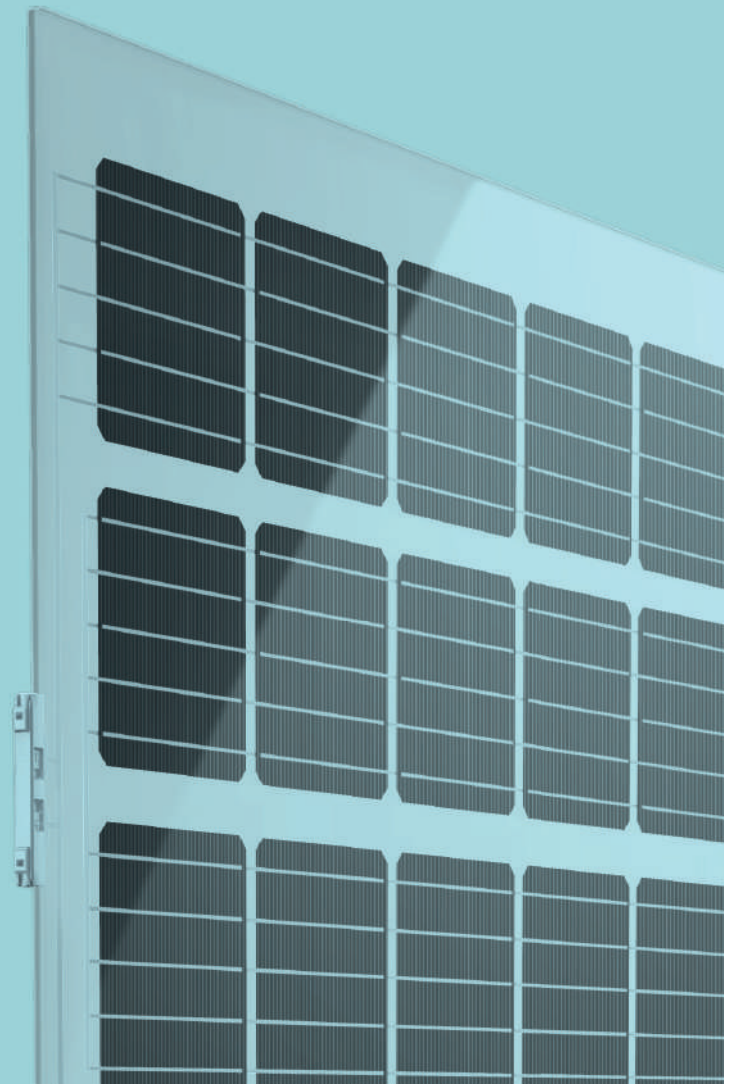


# Elegante 200W



**40 PERC CELLS – 28% TRANSPARENCY**

**PHOTOVOLTAIC SAFETY GLASS  
FOR ARCHITECTURAL APPLICATIONS**

**4 + 4 mm HEAT STRENGTHENED GLASS**



**PID FREE**  
PID tested with excellent results  
under the harshest conditions



**CRAFTED WITH PASSION**



**15 YEARS PRODUCT GUARANTEE  
UPGRADEABLE TO 30 YEARS AS A  
PREMIUM OPTION**



**HIGH RELIABILITY**  
all modules are checked with high  
resolution electroluminescence  
measurements.



**30 YEARS LINEAR PERFORMANCE  
WARRANTY**

# aleo solar PV-safety glass Elegante

ELECTRICAL DATA (STC)		G40C200
Rated power	$P_{MPP}$ [W]	200
Rated voltage	$V_{MPP}$ [V]	21.7
Rated current	$I_{MPP}$ [A]	9.22
Open-circuit voltage	$V_{OC}$ [V]	26.8
Short-circuit current	$I_{SC}$ [A]	9.71
Efficiency	$\eta$ [%]	13.2

Electrical values measured under standard test conditions (STC): 1000 W/m<sup>2</sup>; 25°C; AM 1.5

ELECTRICAL DATA (NOCT)		G40C200
Power	$P_{MPP}$ [W]	145
Voltage	$V_{MPP}$ [V]	19.7
Current	$I_{MPP}$ [A]	7.35
Open-circuit voltage	$V_{OC}$ [V]	24.6
Short-circuit current	$I_{SC}$ [A]	7.85
Efficiency	$\eta$ [%]	11.9

Electrical values measured under nominal operating conditions of cells: 800 W/m<sup>2</sup>; 20°C; AM 1.5; wind 1 m/s  
NOCT: 48°C (nominal operating cell temperature)

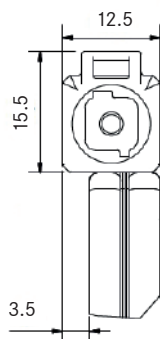
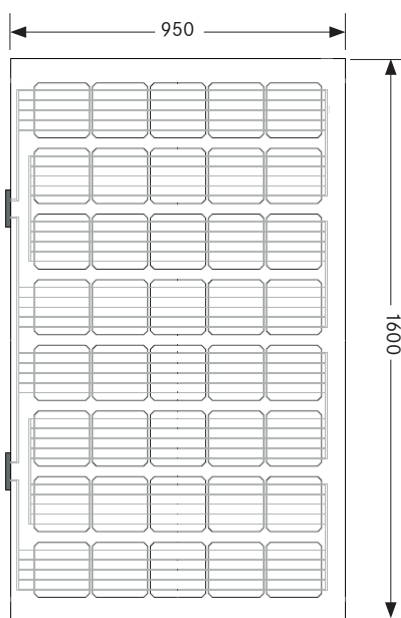
BASIC DATA JUNCTION BOX		
Length x width x height	[mm]	105.8 x 15.5 x 12.5
IP class		IP67
Cable length	[mm]	820
Connectors		2 Tyco wing edge
Bypass diodes		2 (one per junction box)

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

## DIMENSIONS [mm]

## DIMENSIONS JUNCTION BOX [mm]



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)

CERTIFICATIONS AND WARRANTY	
Product Guarantee	15 years, optional 30 years
Power Guarantee	30 years
Fire Resistance	Class C
Protection Against Electric Shock	II
Certifications	§ IEC 61730 § IEC 62804 – PID Resistance architectural certification from DIBt (abZ no. Z-70.3-232)

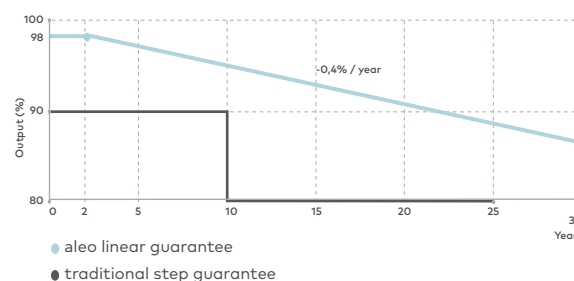
LOADS		
Max. pressure load	[Pa]	7500*
Max. suction load	[Pa]	5400*
Max. system voltage	$[V_{DC}]$	1000
Reverse current load	$I_R$ [A]	20

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 <sup>2</sup> to 200 W/m <sup>2</sup>	[%] rel.	< 2
Classification range (positive classification)	[W]	0/+9.99

## PERFORMANCE GUARANTEE



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

**ALEO SOLAR GMBH**  
Marius-Eriksen-Straße 1  
17291 PRENZLAU  
GERMANY

**CONTACT**  
+49 3984-8328-0  
info@aleo-solar.de  
www.aleo-solar.com

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**aleo**