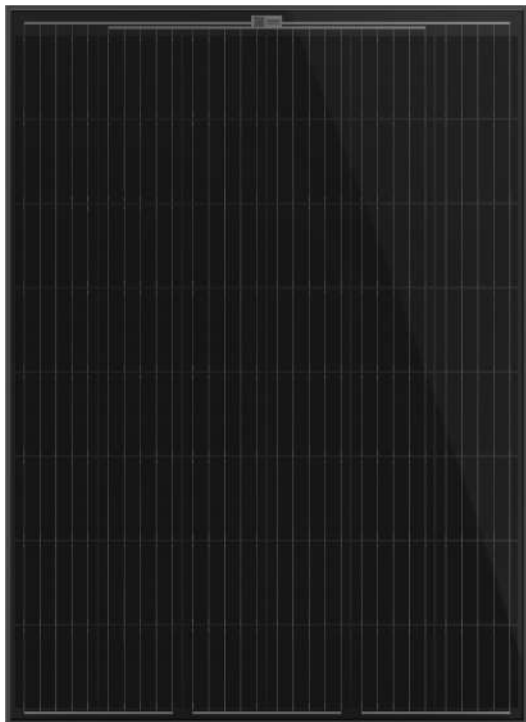
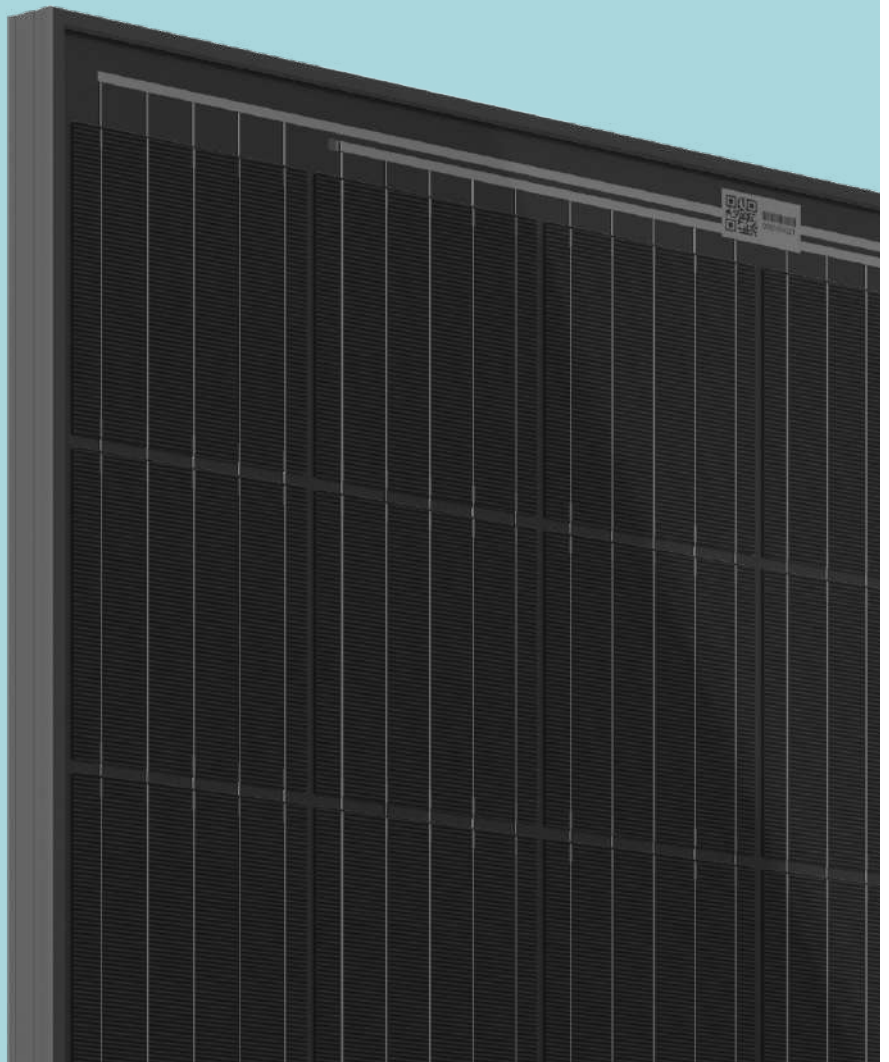


X81 Premium

255 - 265 W

48 cells - connectable with our 60 cell module

 Made in
GERMANY



GERMAN ENGINEERING AND MANUFACTURING

Incorporated in 2001, aleo is recognized as one of the most trustworthy manufacturers of solar panels. We produce all our products in our certified production plant in Prenzlau, Germany.

THE BEST GUARANTEE PACKAGE

 25 Years Product Guarantee  25 Years linear Performance Guarantee

98% of nominal power guaranteed in the first two years

OUR QUALITY IS CERTIFIED

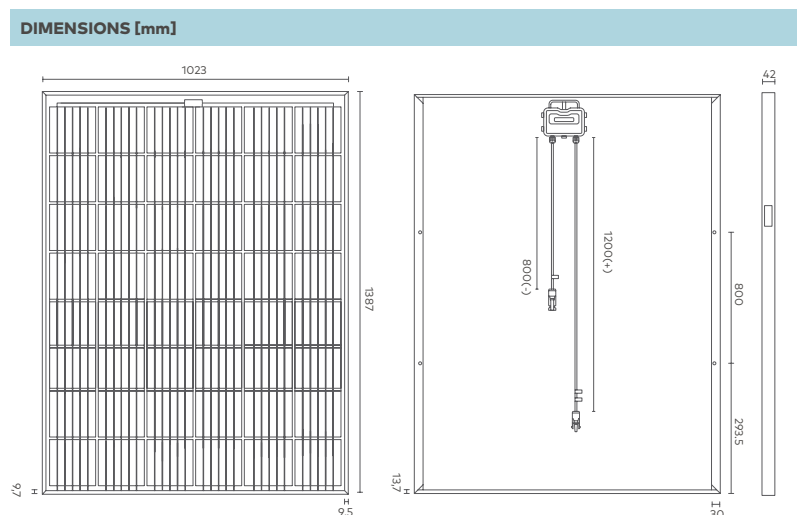
This module is certified according to the latest international standards: **IEC 61215:2016** and **IEC 61730:2016**.

Additionally, this module obtained the following certificates:

- + Snail Trail Free
- + Salt mist corrosion resistance
- + Ammonia corrosion resistance
- + Sand and dust resistance
- + PID resistance
- + LeTID resistance
- + Hail resistance class 4
- + Pressure load: 8000 Pa - suction load: 5400 Pa
- + Dynamic mechanical load test

aleo solar module X81 Premium

ELECTRICAL DATA (STC)		X81L255	X81L260	X81L265	BASIC MODULE DATA	
Rated power	P_{MPP} [W]	255	260	265	Length x width x height	[mm] 1387 x 1023 x 42
Rated voltage	V_{MPP} [V]	26.5	26.6	26.7	Weight	[kg] 16
Rated current	I_{MPP} [A]	9.56	9.74	9.93	Number of cells	48
Open-circuit voltage	V_{OC} [V]	32.4	32.5	32.6	Cell size	[mm] 158.75 x 158.75
Short-circuit current	I_{SC} [A]	10.07	10.27	10.47	Cell material	Monocrystalline Si, PERC
Efficiency	η [%]	18.0	18.3	18.7	Number of bus bars	5
Electrical values measured under standard test conditions (STC): 1000 W/m ² ; 25°C; AM 1.5						
ELECTRICAL DATA (NMOT)		X81L255	X81L260	X81L265	CERTIFICATIONS	
Power	P_{MPP} [W]	189	192	196	Fire Resistance	Class C
Voltage	V_{MPP} [V]	24.6	24.7	24.7	Protection Against Electric Shock	II
Current	I_{MPP} [A]	7.62	7.77	7.92	IEC 61215:2016, IEC 61730:2016	
Open-circuit voltage	V_{OC} [V]	30.3	30.4	30.5	IEC 62716 – Ammonia Resistance	
Short-circuit current	I_{SC} [A]	8.11	8.27	8.43	IEC 61701 – Salt mist Resistance	
Efficiency	η [%]	16.6	16.9	17.3	IEC 62804 – PID Resistance	
Electrical values measured under nominal module operating temperature: 800 W/m ² ; 20°C; AM 1.5; wind 1 m/s; Module temperature NMOT : 45.5°C						
ELECTRICAL DATA (LOW IRRADIANCE)		X81L255	X81L260	X81L265	LOADS	
Power	P_{MPP} [W]	50	51	52	Max. module pressure load (Testload)	[Pa] 8000 ¹
Electrical values measured under: 200 W/m ² ; 25°C; AM 1.5						
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			
BASIC DATA JUNCTION BOX						
Length x width x height	[mm]	148 x 123 x 27				
IP class		IP67				
Cable length	[mm]	1200 (+), 800 (-)				
Connectors		Genuine MC4				
Bypass diodes		3				
CLASSIFICATION		X81L255	X81L260	X81L265		
Classification range (positive classification)	[W]	0/+4.99	0/+4.99	0/+4.99		



GUARANTEES

Product Guarantee 25 years

Power Guarantee 25 years – Linear

PERFORMANCE GUARANTEE

PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

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