

X63 Premium

333 - 345 W



 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

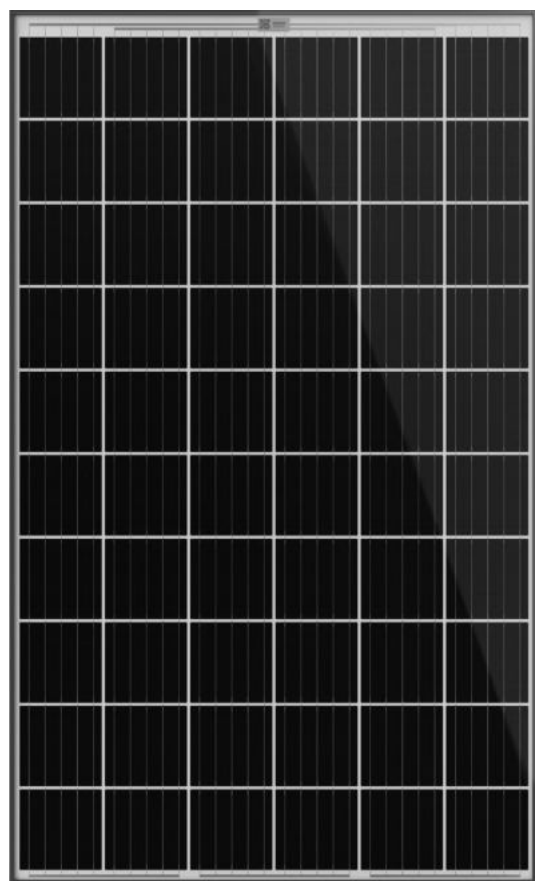
98% of nominal power guaranteed in the first two years

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:

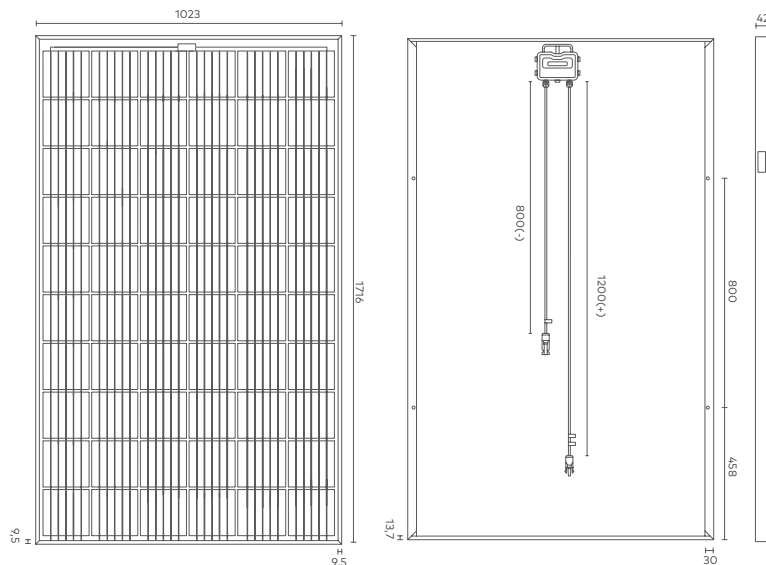
- + Snail Trail Free
- + Salt mist corrosion resistance
- + Ammonia corrosion resistance
- + Sand and dust resistance
- + PID resistance
- + LeTID resistance
- + Hail resistance class 4
- + Pressure load: 8000 Pa - suction load: 5400 Pa
- + Dynamic mechanical load test



aleo solar module X63 Premium

ELECTRICAL DATA (STC)			X63L333	X63L340	X63L345	BASIC MODULE DATA					
Rated power	P _{MPP}	[W]	333	340	345	Length x width x height	[mm]	1716 x 1023 x 42			
Rated voltage	V _{MPP}	[V]	33.2	33.5	33.7	Weight	[kg]	19.5			
Rated current	I _{MPP}	[A]	10.03	10.15	10.22	Number of cells			60		
Open-circuit voltage	V _{OC}	[V]	40.7	40.8	40.9	Cell size	[mm]	158.75 x 158.75			
Short-circuit current	I _{SC}	[A]	10.54	10.70	10.79	Cell material			Monocrystalline Si, PERC		
Efficiency	η	[%]	19.0	19.4	19.7	Number of bus bars			5		
Electrical values measured under standard test conditions (STC): 1000 W/m²; 25°C; AM 1.5						Front sheet			3.2 mm Solar glass (TSG)		
ELECTRICAL DATA (NMOT)			X63L333	X63L340	X63L345	Back sheet			Polymer sheet, white		
Power	P _{MPP}	[W]	246	251	255	Frame material			Al alloy, black		
Voltage	V _{MPP}	[V]	30.8	31.1	31.2	CERTIFICATIONS					
Current	I _{MPP}	[A]	8.00	8.10	8.15	Fire Resistance			Class C		
Open-circuit voltage	V _{OC}	[V]	38.0	38.1	38.2	Protection Against Electric Shock			II		
Short-circuit current	I _{SC}	[A]	8.49	8.62	8.69	IEC 61215:2016, IEC 61730:2016					
Efficiency	η	[%]	17.5	17.9	18.1	IEC 62716 – Ammonia Resistance					
Electrical values measured under nominal module operating temperature: 800 W/m²; 20°C; AM 1.5; wind 1 m/s; Module temperature NMOT : 44.5°C						IEC 61701 – Salt mist Resistance					
						IEC 62804 – PID Resistance					
						LeTID Resistance					
ELECTRICAL DATA (LOW IRRADIANCE)			X63L333	X63L340	X63L345	IEC/TS 62782:2016 - Dynamic mechanical load testing					
Power	P _{MPP}	[W]	65	66	67	IEC 60068-2-68:1994 - Sand and Dust test					
Electrical values measured under: 200 W/m²; 25°C; AM 1.5						Hail resistance class 4 (40 mm hailstones)					
TEMPERATURE COEFFICIENTS						Snail trail free (AgNP Test)					
Temperature coefficient I _{SC}			α (I _{SC})	[%/K]	+0.05						
Temperature coefficient V _{OC}			β (V _{OC})	[%/K]	-0.29						
Temperature coefficient P _{MPP}			γ (P _{MPP})	[%/K]	-0.40						
BASIC DATA JUNCTION BOX						LOADS					
Length x width x height			[mm]	148 x 123 x 27		Max. module pressure load (Testload)			[Pa]	8000 ¹	
IP class			IP67			Max. module pressure load (Designload) ²			[Pa]	5333 ¹	
Cable length			[mm]	1200 (+), 800 (-)		Max. module suction load (Testload)			[Pa]	5400 ¹	
Connectors			Genuine MC4			Max. module suction load (Designload) ²			[Pa]	3600 ¹	
Bypass diodes			3			Max. system voltage			[V _{DC}]	1000	
CLASSIFICATION			X63L333	X63L340	X63L345	Reverse current load			I _r	[A]	20
Classification range (positive classification)			[W]	0/+6.99	0/+4.99	0/+4.99	Mechanical load acc. to IEC/EN 61215:2016 ¹ Please observe the mounting conditions in the installation manual ² Testload/ Safety factor 1.5 = Designload Measurement tolerance of P _{MPP} under STC -3/+3% Accuracy of other electrical values -10/+10% Efficiency relating to gross module area				

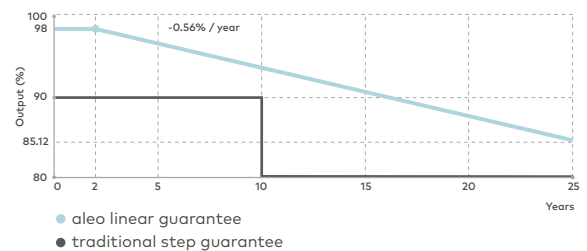
DIMENSIONS [mm]



GUARANTEES

Product Guarantee	25 years
Power Guarantee	25 years – Linear

PERFORMANCE GUARANTEE



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

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Detailed information about our warranties is available on our website! Subject to change without notice | Errors and omissions excepted | EN | X63 333-345W