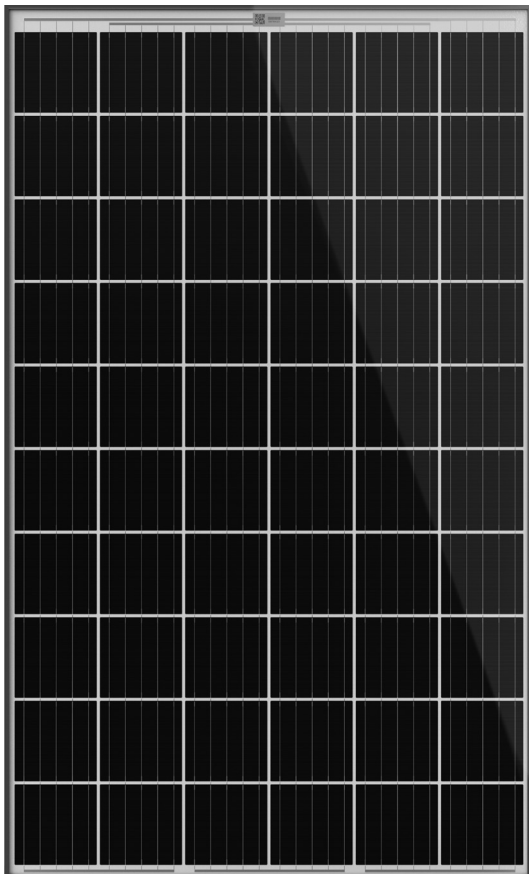


X63 Premium

330 - 340 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

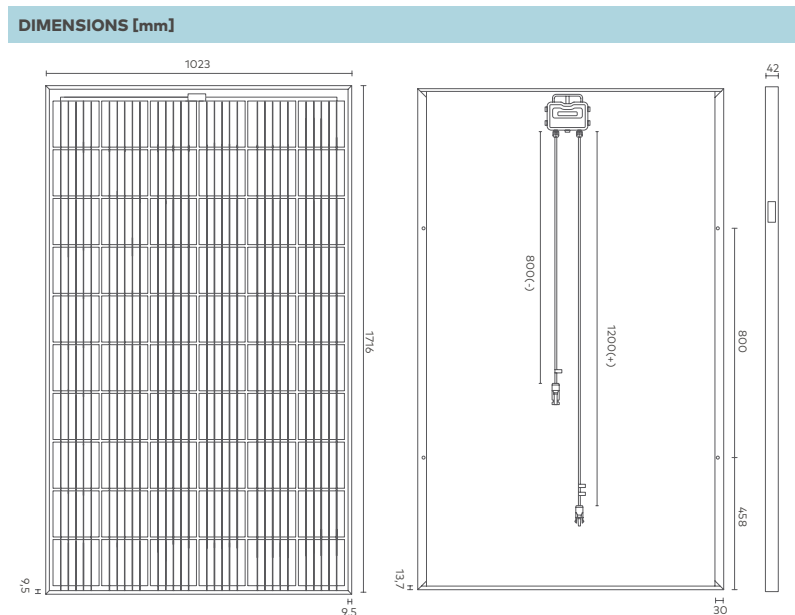
This module is certified according to the latest international standards: **IEC 61215:2016** and **IEC 61730:2016**.

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)		X63L330	X63L333	X63L340	BASIC MODULE DATA	
Rated power	P_{MPP} [W]	330	333	340	Length x width x height	[mm] 1716 x 1023 x 42
Rated voltage	V_{MPP} [V]	33.1	33.2	33.5	Weight	[kg] 19.5
Rated current	I_{MPP} [A]	9.97	10.03	10.15	Number of cells	60
Open-circuit voltage	V_{OC} [V]	40.6	40.7	40.8	Cell size	[mm] 158.75 x 158.75
Short-circuit current	I_{SC} [A]	10.49	10.54	10.70	Cell material	Monocrystalline Si, PERC
Efficiency	η [%]	18.8	19.0	19.4	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)		X63L330	X63L333	X63L340	Front sheet	3.2 mm Solar glass (TSG)
Power	P_{MPP} [W]	244	246	251	Back sheet	Polymer sheet, white
Voltage	V_{MPP} [V]	30.7	30.8	31.1	Frame material	Al alloy, black
Current	I_{MPP} [A]	7.95	8.00	8.10	CERTIFICATIONS	
Open-circuit voltage	V_{OC} [V]	38.0	38.0	38.1	Fire Resistance	Class C
Short-circuit current	I_{SC} [A]	8.45	8.49	8.62	Protection Against Electric Shock	II
Efficiency	η [%]	17.4	17.5	17.9	IEC 61215:2016, IEC 61730:2016	
Electrical values measured under nominal module operating temperature: 800 W/m ² ; 20°C; AM 1.5; wind 1 m/s; Module temperature NMOT : 44.5°C						
ELECTRICAL DATA (LOW IRRADIANCE)		X63L330	X63L333	X63L340	IEC 62716 – Ammonia Resistance	
Power	P_{MPP} [W]	64	65	66	IEC 61701 – Salt mist Resistance	
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		X63L330	X63L333	X63L340	LeTID Resistance	
Classification range (positive classification)	[W]	0/+2.99	0/+6.99	0/+4.99	IEC/TS 62782:2016 - Dynamic mechanical load testing	
IEC 60068-2-68:1994 - Sand and Dust test						
Hail resistance class 4 (40 mm hailstones)						
Snail trail free (AgNP Test)						
LOADS						
Max. module pressure load (Testload)					[Pa]	8000 ¹
Max. module pressure load (Designload) ²					[Pa]	5333 ¹
Max. module suction load (Testload)					[Pa]	5400 ¹
Max. module suction load (Designload) ²					[Pa]	3600 ¹
Max. system voltage					[V _{DC}]	1000
Reverse current load					I_R [A]	20
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						



GUARANTEES

Product Guarantee 25 years

Power Guarantee 25 years – Linear

PERFORMANCE GUARANTEE

● aleo linear guarantee
● traditional step guarantee

PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

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