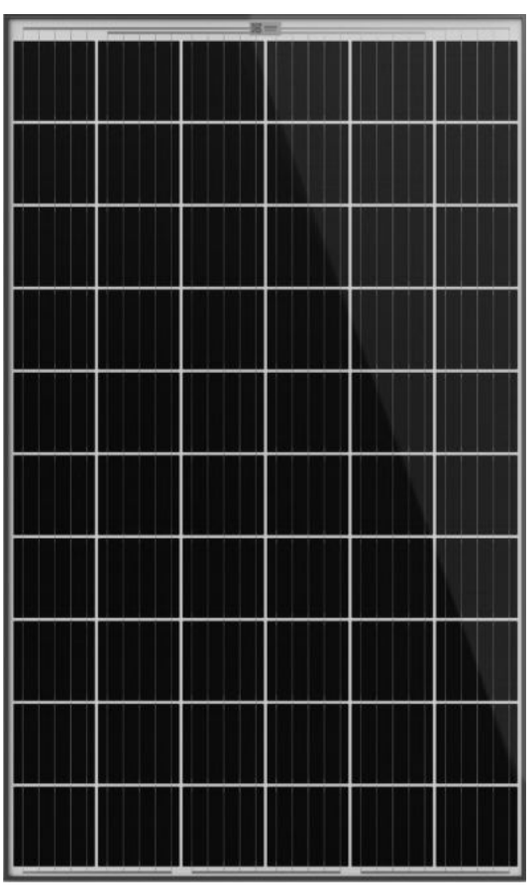
X63 Premium
330 - 340 W

PLUS X AWARD
2020/2021 | Achieved for:
High Quality
Ease of Use
Functionality
www.plusxaward.com

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

aleo solar module X63 Premium

ELECTRICAL DATA (STC)			X63L330	X63L333	X63L340
Rated power	P_{MPP}	[W]	330	333	340
Rated voltage	V_{MPP}	[V]	33.1	33.2	33.5
Rated current	I_{MPP}	[A]	9.97	10.03	10.15
Open-circuit voltage	V_{OC}	[V]	40.6	40.7	40.8
Short-circuit current	I_{SC}	[A]	10.49	10.54	10.70
Efficiency	η	[%]	18.8	19.0	19.4

Electrical values measured under standard test conditions (STC): 1000 W/m²; 25°C; AM 1.5

ELECTRICAL DATA (NMOT)			X63L330	X63L333	X63L340
Power	P_{MPP}	[W]	244	246	251
Voltage	V_{MPP}	[V]	30.7	30.8	31.1
Current	I_{MPP}	[A]	7.95	8.00	8.10
Open-circuit voltage	V_{OC}	[V]	38.0	38.0	38.1
Short-circuit current	I_{SC}	[A]	8.45	8.49	8.62
Efficiency	η	[%]	17.4	17.5	17.9

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

ELECTRICAL DATA (LOW IRRADIANCE)			X63L330	X63L333	X63L340
Power	P_{MPP}	[W]	64	65	66

Electrical values measured under: 200 W/m²; 25°C; AM 1.5

TEMPERATURE COEFFICIENTS			
Temperature coefficient I_{SC}	a (I_{SC})	[%/K]	+0.05
Temperature coefficient V_{OC}	ß (V_{OC})	[%/K]	-0.29
Temperature coefficient P_{MPP}	Y (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
Classification range (positive classification)	[W]	0/+2.99	0/+6.99	0/+4.99

BASIC MODULE DATA		
Length x width x height	[mm]	1716 x 1023 x 42
Weight	[kg]	19.5
Number of cells		60
Cell size	[mm]	158.75 x 158.75
Cell material		Monocrystalline Si, PERC
Number of bus bars		5
Front sheet		3.2 mm Solar glass (TSG)
Back sheet		Polymer sheet, white
Frame material		Al alloy, black

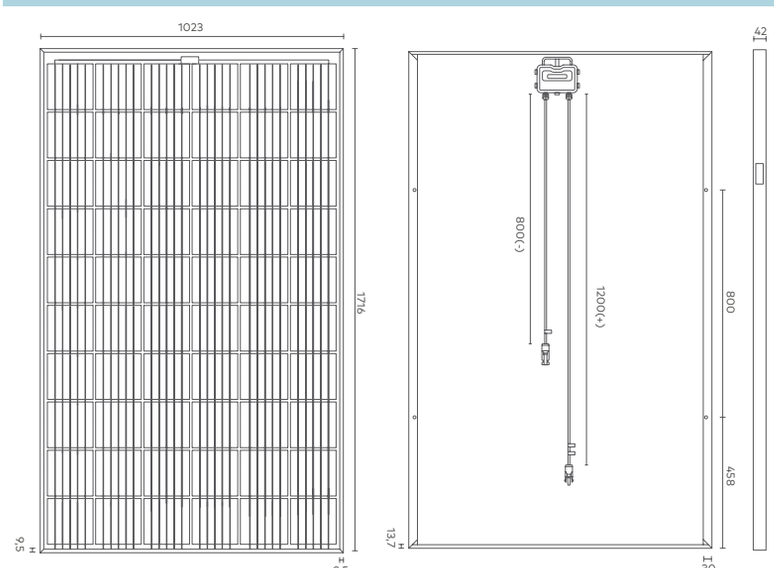
CERTIFICATIONS	
Fire Resistance	Class C
Protection Against Electric Shock	II
IEC 61215:2016, IEC 61730:2016	
IEC 62716 – Ammonia Resistance	
IEC 61701 – Salt mist Resistance	
IEC 62804 – PID Resistance	
LeTID Resistance	
IEC/TS 62782:2016 - Dynamic mechanical load testing	
IEC 60068-2-68:1994 - Sand 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

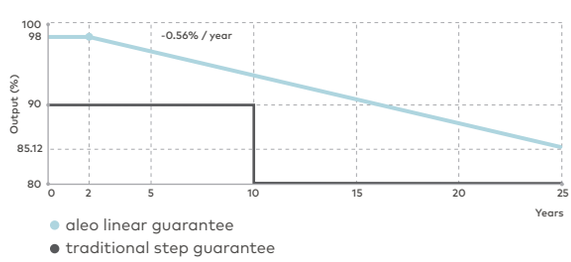
Measurement tolerance of P_{MPP} under STC -3/+3% |
Accuracy of other electrical values -10/+10%
Efficiency relating to gross module area

DIMENSIONS [mm]



GUARANTEES	
Product Guarantee	25 years
Power Guarantee	25 years – Linear

PERFORMANCE GUARANTEE



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

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