

# X63 Premium

## 340 W



QUALITY SIGNED AND SEALED



### MORE POWER ON YOUR ROOF

**98% OF NOMINAL POWER GUARANTEED  
IN THE FIRST TWO YEARS**

**25 YEAR PRODUCT GUARANTEE**

**25 YEARS PRODUCT GUARANTEE**

**CRAFTED WITH PASSION**

**25 YEARS LINEAR  
PERFORMANCE WARRANTY**

**CONSTANTLY HIGH CELL QUALITY**  
through strict quality examinations  
by high-resolution electroluminescence  
measurements.  
100% of diodes are tested.



- MADE IN GERMANY -

# aleo solar module X63 Premium

ELECTRICAL DATA (STC)		X63L340
Rated power	$P_{MPP}$ [W]	340
Rated voltage	$V_{MPP}$ [V]	33.7
Rated current	$I_{MPP}$ [A]	10.09
Open-circuit voltage	$V_{OC}$ [V]	41.0
Short-circuit current	$I_{SC}$ [A]	10.56
Efficiency	$\eta$ [%]	19.4

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

ELECTRICAL DATA (NMOT)		X63L340
Power	$P_{MPP}$ [W]	251
Voltage	$V_{MPP}$ [V]	31.3
Current	$I_{MPP}$ [A]	8.05
Open-circuit voltage	$V_{OC}$ [V]	35.4
Short-circuit current	$I_{SC}$ [A]	8.51
Efficiency	$\eta$ [%]	17.9

Electrical values measured under nominal module operating temperature: 800 W/m<sup>2</sup>; 20°C; AM 1.5; wind 1 m/s; Module temperature NMOT : 44.5°C

ELECTRICAL DATA (LOW IRRADIANCE)		X63L340
Power	$P_{MPP}$ [W]	66

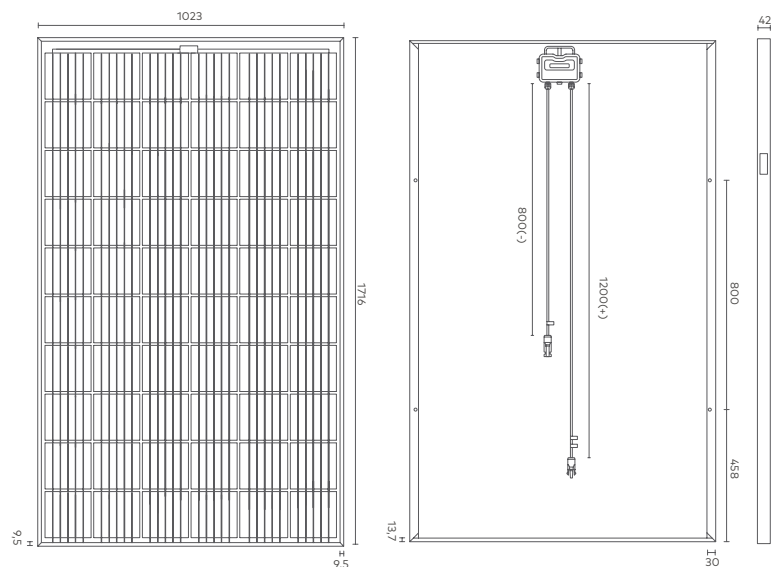
Electrical values measured under: 200 W/m<sup>2</sup>; 25°C; AM 1.5

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 (PV-KST4-EVO)
Bypass diodes	3

CLASSIFICATION		X63L340
Classification range (positive classification)	[W]	0/+4.99

## DIMENSIONS [mm]



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 AND GUARANTEES

Product Guarantee	25 years
Power Guarantee	25 years – Linear
Fire Resistance	Class C
Protection Against Electric Shock	II
Certifications	IEC 61215, IEC 61730

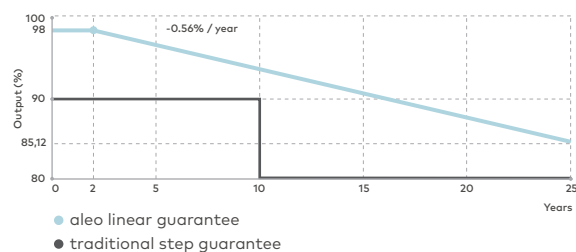
## LOADS

Max. module pressure load (Testload)	[Pa]	8000 <sup>1</sup>
Max. module pressure load (Designload) <sup>2</sup>	[Pa]	5333 <sup>1</sup>
Max. module suction load (Testload)	[Pa]	2400 <sup>1</sup>
Max. module suction load (Designload) <sup>2</sup>	[Pa]	1600 <sup>1</sup>
Max. system voltage	[V <sub>DC</sub> ]	1000
Reverse current load	$I_R$ [A]	20

Mechanical load acc. to IEC/EN 61215:2016  
<sup>1</sup> Please observe the mounting conditions in the installation manual  
<sup>2</sup> 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

## 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**