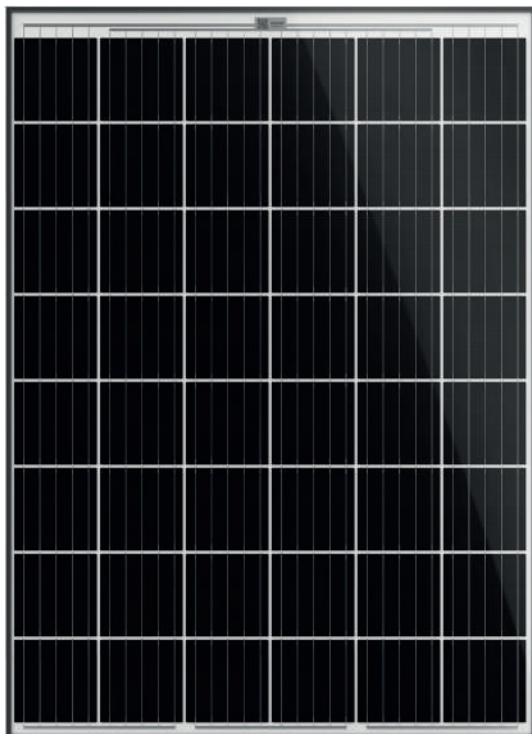


# X61 Premium

255 - 265 W



QUALITY SIGNED AND SEALED



**CONNECTABLE WITH OUR  
60 CELL MODULE / X63**

**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 X61 Premium

ELECTRICAL DATA (STC)		X61L255	X61L260	X61L265
Rated power	$P_{MPP}$ [W]	255	260	265
Rated voltage	$V_{MPP}$ [V]	26.3	26.5	26.8
Rated current	$I_{MPP}$ [A]	9.70	9.80	9.89
Open-circuit voltage	$V_{OC}$ [V]	32.2	32.3	32.5
Short-circuit current	$I_{SC}$ [A]	10.18	10.27	10.35
Efficiency	$\eta$ [%]	18.0	18.3	18.7

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

ELECTRICAL DATA (NMOT)		X61L255	X61L260	X61L265
Power	$P_{MPP}$ [W]	189	192	196
Voltage	$V_{MPP}$ [V]	24.4	24.6	24.8
Current	$I_{MPP}$ [A]	7.74	7.81	7.89
Open-circuit voltage	$V_{OC}$ [V]	30.1	30.2	30.4
Short-circuit current	$I_{SC}$ [A]	8.20	8.27	8.34
Efficiency	$\eta$ [%]	16.6	16.9	17.3

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)		X61L255	X61L260	X61L265
Power	$P_{MPP}$ [W]	50	51	52

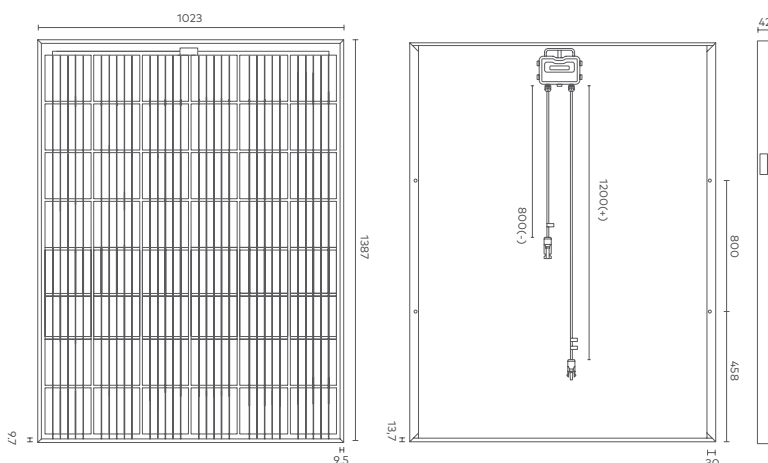
Electrical values measured under: 200 W/m<sup>2</sup>; 25°C; AM 1.5

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		X61L255	X61L260	X61L265
Classification range (positive classification)	[W]	0/+4.99	0/+4.99	0/+4.99

## DIMENSIONS [mm]



BASIC MODULE DATA		
Length x width x height	[mm]	1387 x 1023 x 42
Weight	[kg]	16
Number of cells		48
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

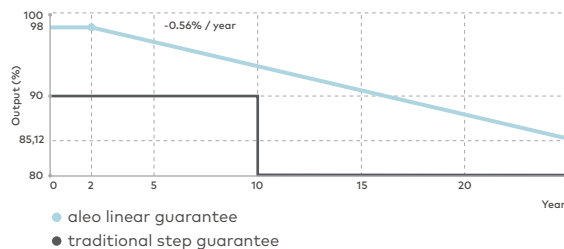
<sup>2</sup> Testload/ Safety factor 1.5 = Designload

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

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**aleo**