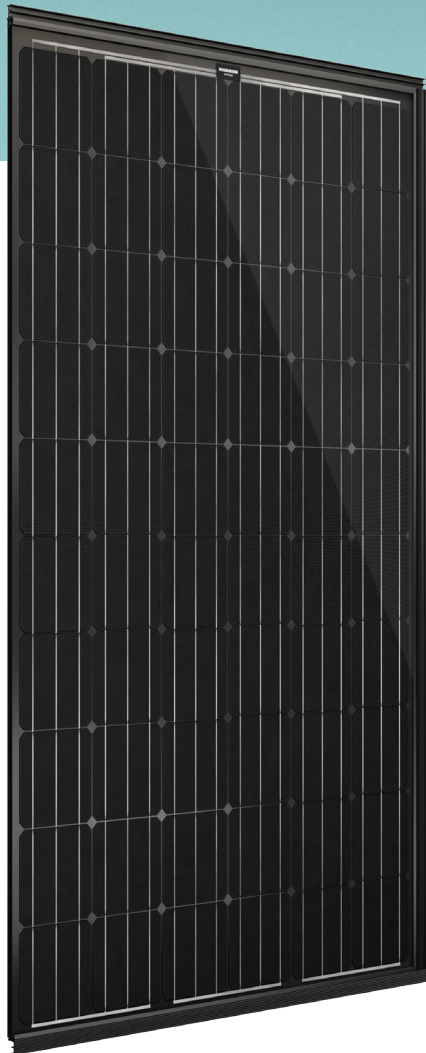


aleo

Turn your roof into an elegant power source



S79 sol

290-300 W

QUALITY SIGNED AND SEALED



All black

finishing BIPV solution

98% of nominal power guaranteed

the first two years

Full package:

modules + flashings



PID FREE

PID tested with excellent results under the harshest conditions



CRAFTED WITH PASSION



**12 YEARS PRODUCT GUARANTEE
UPGRADEABLE TO 25 YEARS AS A
PREMIUM OPTION**



HIGH RELIABILITY

all modules are checked with high resolution electroluminescence and infrared measurements. 100% of diodes are tested.



**25 YEARS LINEAR PERFORMANCE
WARRANTY**



Made in Germany

aleo solar module S79 sol

ELECTRICAL DATA (STC)		S79 SOL_290	S79 SOL_295	S79 SOL_300
Rated power	P_{MPP} [W]	290	295	300
Rated voltage	V_{MPP} [V]	31.3	31.3	31.2
Rated current	I_{MPP} [A]	9.25	9.42	9.63
Open-circuit voltage	V_{OC} [V]	39.3	39.3	39.4
Short-circuit current	I_{SC} [A]	9.80	9.87	9.97
Efficiency	η [%]	16.8	17.0	17.3

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

ELECTRICAL DATA (NOCT)		S79 SOL_290	S79 SOL_295	S79 SOL_300
Power	P_{MPP} [W]	211	215	219
Voltage	V_{MPP} [V]	28.3	28.4	28.5
Current	I_{MPP} [A]	7.45	7.59	7.72
Open-circuit voltage	V_{OC} [V]	36.0	36.2	36.3
Short-circuit current	I_{SC} [A]	7.93	7.99	8.07
Efficiency	η [%]	15.2	15.5	15.8

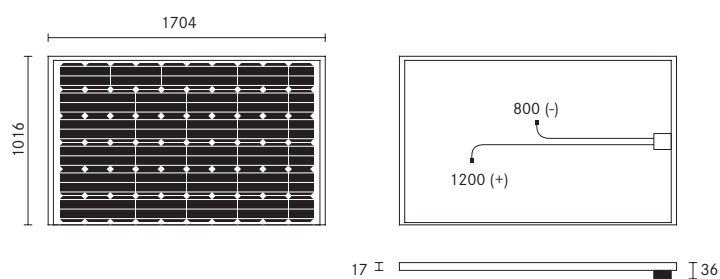
Electrical values measured under nominal operating conditions of cells: 800 W/m²; 20°C; AM 1.5; wind 1 m/s
NOCT: 49°C (nominal operating cell temperature)

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	MC4
Bypass diodes	3

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

DIMENSIONS [MM]

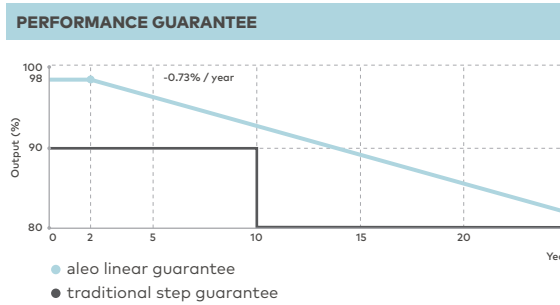


BASIC MODULE DATA		
Length x width x height	[mm]	1704 x 1016 x 36
Weight	[kg]	19
Number of cells		60
Cell size	[mm]	156.75 x 156.75
Cell material		Monocrystalline Si
Front sheet		Solar glass (TSG)
Back sheet		Polymer sheet, black
Frame material		Al alloy, black

CERTIFICATIONS AND WARRANTY	
Product Guarantee	12 years, optional 25 years
Power Guarantee	25 years – linear
Fire Resistance	Class C
Protection Against Electric Shock	II
Certifications	<ul style="list-style-type: none"> § IEC 61215, IEC 61730-1/-2 § IEC 62716 – Ammonia Resistance § IEC 61701 – Salt mist Resistance § IEC 62804 – PID Resistance

LOADS			
Max. module pressure load	[Pa]	2400*	
Max. module suction load	[Pa]	2400*	
Max. system voltage	[V _{DC}]	1000	
Reverse current load	I_R [A]	20	
Mechanical load acc. to IEC/EN 61215 * Please observe the mounting conditions in the installation manual			

ADDITIONAL ELECTRICAL DATA			
Reduction of STC efficiency from 1000 W/m ² to 200 W/m ²	[%] rel.	< 2	
Classification range (positive classification)	[W]	0/+4.99	



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER