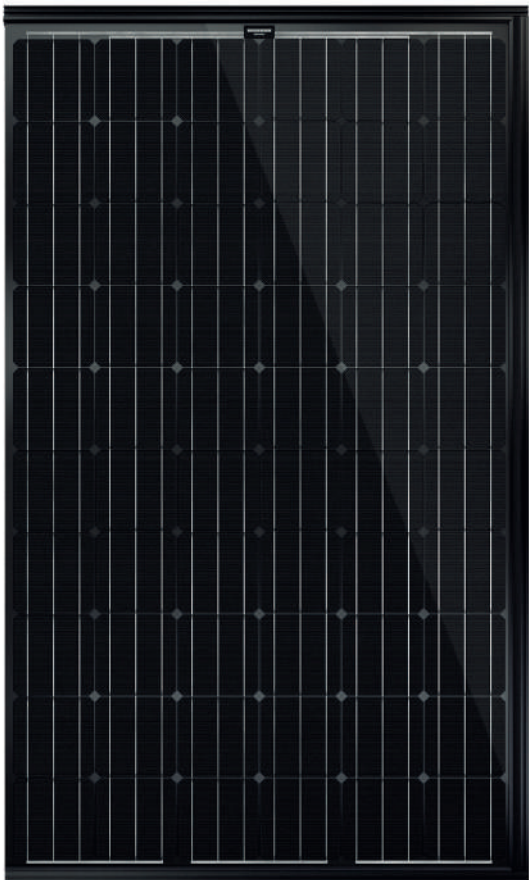


S79 Sol

290 - 305W



QUALITY SIGNED AND SEALED



ALL BLACK FINISHING BIPV SOLUTION

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

FULL PACKAGE: MODULES + FLASHINGS



PID FREE

PID tested with excellent results under the harshest conditions



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



**25 YEARS LINEAR PERFORMANCE
WARRANTY**



CRAFTED WITH PASSION



HIGH RELIABILITY

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

aleo solar module S79 sol

ELECTRICAL DATA (STC)		S79T290	S79T295	S79T300	S79T305
Rated power	P_{MPP} [W]	290	295	300	305
Rated voltage	V_{MPP} [V]	31.9	32.1	32.4	32.6
Rated current	I_{MPP} [A]	9.17	9.25	9.34	9.43
Open-circuit voltage	V_{OC} [V]	39.2	39.4	39.6	39.7
Short-circuit current	I_{SC} [A]	9.68	9.77	9.85	9.94
Efficiency	η [%]	16.7	17.0	17.3	17.6

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

ELECTRICAL DATA (NMOT)		S79T290	S79T295	S79T300	S79T305
Power	P_{MPP} [W]	216	220	224	227
Voltage	V_{MPP} [V]	29.6	29.8	30.0	30.2
Current	I_{MPP} [A]	7.31	7.38	7.45	7.52
Open-circuit voltage	V_{OC} [V]	36.6	36.8	37.0	37.1
Short-circuit current	I_{SC} [A]	7.80	7.87	7.94	8.00
Efficiency	η [%]	15.6	15.9	16.1	16.4

Electrical values measured under nominal operating conditions of cells: 800 W/m²; 20°C; AM 1.5; wind 1 m/s; Module temperature NMOT: 45,5°C

ELECTRICAL DATA (LOW IRRADIANCE)		S79T290	S79T295	S79T300	S79T305
Power	P_{MPP} [W]	57	58	59	60

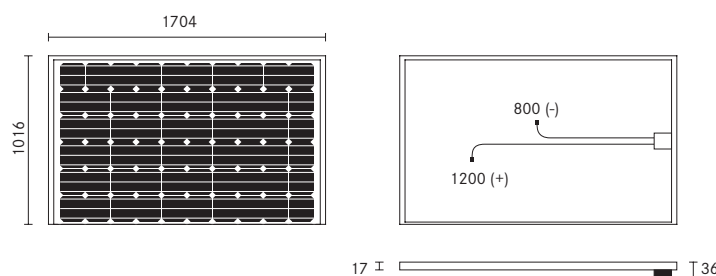
Electrical values measured under: 200 W/m²; 25°C; AM 1,5

TEMPERATURE COEFFICIENTS			
Temperature coefficient I_{SC}	$\alpha (I_{SC})$	[%/K]	+0.05
Temperature coefficient U_{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

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

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, PERC
Front sheet	Solar glass (TSG)
Back sheet	Polymer sheet, black
Frame material	Al alloy, black

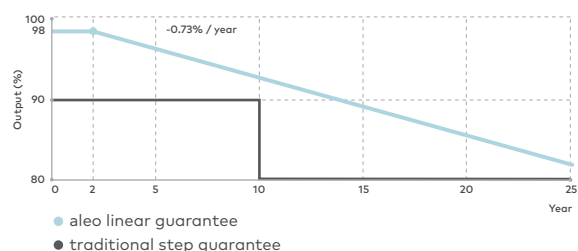
CERTIFICATIONS AND WARRANTY	
Product Guarantee	12 years, optional 25 years
Power Guarantee	25 years – linear
Fire Resistance	Class C
Protection Against Electric Shock	II
Certifications	<ul style="list-style-type: none"> § IEC 61215, IEC 61730-1/-2 § IEC 62716 – Ammonia Resistance § IEC 61701 – Salt mist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

LOADS		
Max. module pressure load (Testload)	[Pa]	5400 ¹
Max. module pressure load (Designload) ²	[Pa]	3600 ¹
Max. module suction load (Testload)	[Pa]	2400 ¹
Max. module suction load (Designload) ²	[Pa]	1600 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

PERFORMANCE GUARANTEE



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

ALEO SOLAR GMBH
 Marius-Eriksen-Straße 1
 17 291 PRENZLAU
 GERMANY

CONTACT
 +49 3984-8328-0
 info@aleo-solar.de
 www.aleo-solar.com

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