

S75 Sol

240 - 250W



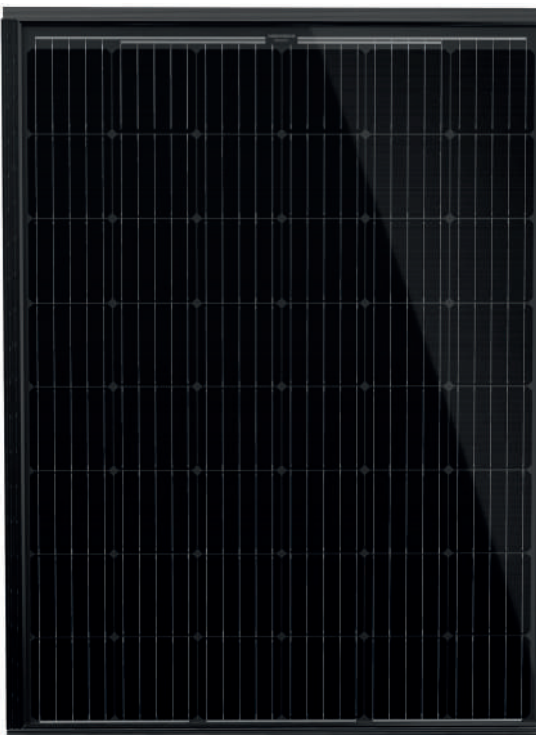
QUALITY SIGNED AND SEALED



OPTIMAL USAGE OF „DIFFICULT“ ROOFTOPS

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

**COMBINABLE WITH
60 CELL ALEO MODULE S79 SOLRIF**



PID FREE

PID tested with excellent results
under the harshest conditions



**15 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
measurements.
100% of diodes are tested.

aleo solar module S75 sol

ELECTRICAL DATA (STC)		S75T240	S75T245	S75T250
Rated power	P_{MPP} [W]	240	245	250
Rated voltage	V_{MPP} [V]	25.8	26.1	26.4
Rated current	I_{MPP} [A]	9.30	9.38	9.47
Open-circuit voltage	V_{OC} [V]	31.6	31.7	31.9
Short-circuit current	I_{SC} [A]	9.81	9.89	9.98
Efficiency	η [%]	17.0	17.4	17.7

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

ELECTRICAL DATA (NMOT)		S75T240	S75T245	S75T250
Power	P_{MPP} [W]	177	181	185
Voltage	V_{MPP} [V]	23.9	24.1	24.3
Current	I_{MPP} [A]	7.42	7.52	7.61
Open-circuit voltage	V_{OC} [V]	29.5	29.7	29.8
Short-circuit current	I_{SC} [A]	7.90	7.97	8.04
Efficiency	η [%]	15.7	16.0	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)		S75T240	S75T245	S75T250
Power	P_{MPP} [W]	47	48	49

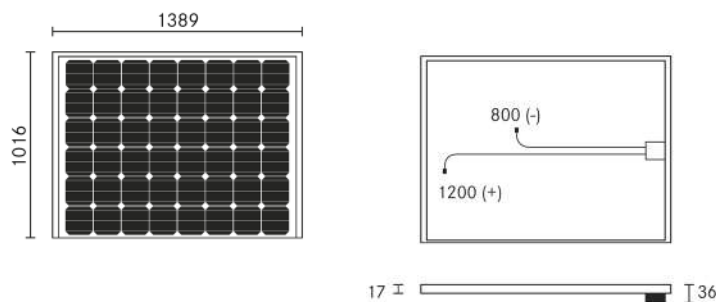
Electrical values measured under: 200 W/m²; 25°C; AM 1,5

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

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

DIMENSIONS [mm]



BASIC MODULE DATA	
Length x width x height	[mm] 1389 x 1016 x 36 (grid dimension 1371 x 984)
Weight	[kg] 16
Number of cells	48
Cell size	[mm] 156.75 x 156.75
Cell material	Monocrystalline Si, PERC
Number of bus bars	5
Front sheet	Solar glass (TSG)
Back sheet	Polymer sheet, black
Frame material	Al alloy, black

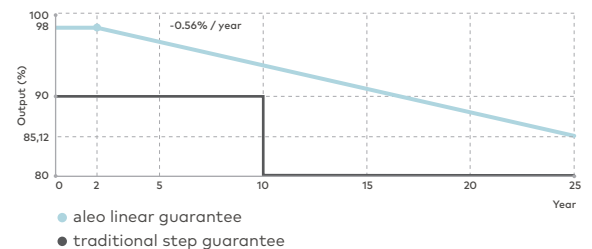
CERTIFICATIONS AND WARRANTY	
Product Guarantee	15 years, optional 25 years
Power Guarantee	25 years - linear
Fire Resistance	Class C
Protection Against Electric Shock	II
Certifications	§ IEC 61215, IEC 61730 § IEC 62716 - Ammonia Resistance § IEC 61701 - Salt mist Resistance § IEC 62804 - PID Resistance

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

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