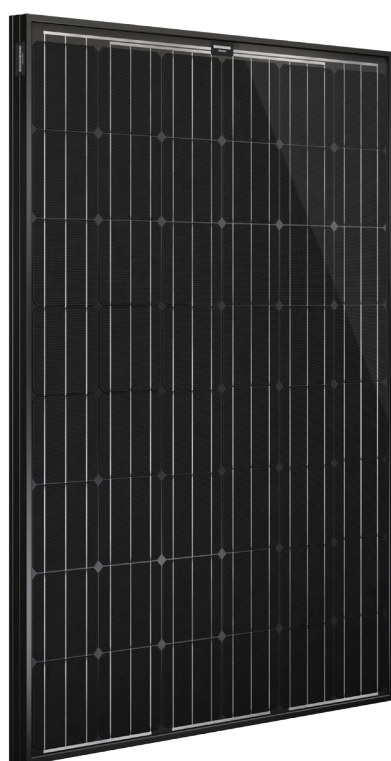




aleo

Small elegant power package for more flexibility



S75
230 - 240 W



QUALITY SIGNED AND SEALED



48 cells

all black finishing

**98% of nominal
power guaranteed**

the first two years

**Up to +5%
more yield**

over conventional
technologies*



PID FREE

PID tested with excellent results
under the harshest conditions



CRAFTED WITH PASSION



**25 YEARS LINEAR PERFORMANCE
WARRANTY**



CONSTANTLY HIGH CELL QUALITY
through strict quality examinations
by high resolution electroluminescence
and infrared measurements



12 YEARS PRODUCT WARRANTY

* results following a one year field study realized
independently by the Politecnico Milano



Made in Germany

aleo solar module S75

ELECTRICAL DATA (STC)			S75_230	S75_235	S75_240
Rated power	P_{MPP}	[W]	230	235	240
Rated voltage	V_{MPP}	[V]	25.1	25.2	25.3
Rated current	I_{MPP}	[A]	9.18	9.37	9.51
Open-circuit voltage	V_{OC}	[V]	31.4	31.5	31.5
Short-circuit current	I_{SC}	[A]	9.76	9.83	9.90
Efficiency	η	[%]	17.3	17.6	18.0

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

ELECTRICAL DATA (NOCT)			S75_230	S75_235	S75_240
Power	P_{MPP}	[W]	167	172	177
Voltage	V_{MPP}	[V]	22.6	22.8	23.0
Current	I_{MPP}	[A]	7.39	7.56	7.72
Open-circuit voltage	V_{OC}	[V]	28.7	28.8	28.9
Short-circuit current	I_{SC}	[A]	7.90	7.96	8.02
Efficiency	η	[%]	15.7	16.1	16.6

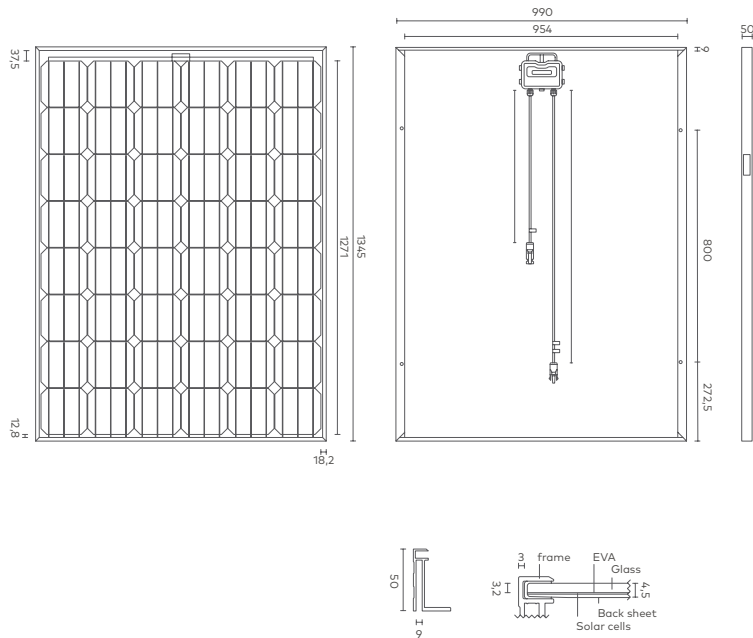
Electrical values measured under nominal operating conditions of cells: 800 W/m²; 20°C; AM 1.5; wind 1 m/s
NOCT: 49°C (nominal operating cell temperature)

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]	1345 x 990 x 50
Weight	[kg]	16
Number of cells		48
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

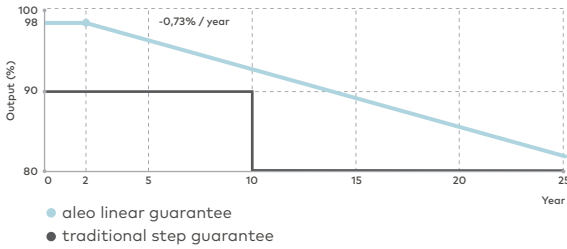
CERTIFICATIONS AND WARRANTY	
Product Guarantee	12 years
Power Guarantee	25 years – Linear
Fire Resistance	Class C
Protection Against Electric Shock	II
Certifications	§ IEC 61215, IEC 61730-1/-2 § IEC 62716 – Ammonia Resistance § IEC 61701 – Salt mist Resistance § IEC 62804 – PID Resistance § MCS 010; MCS 005

LOADS		
Max. module pressure load	[Pa]	5400*
Max. module suction load	[Pa]	5400*
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/m² to 200 W/m²	[%] rel.	< 2
Classification range (positive classification)	[W]	0/+4.99

PERFORMANCE GUARANTEE



PLEASE CONTACT YOUR AUTHORISED ALEO DEALER