



Strong Performance

Robust, strong yields and first class workmanship: The aleo S_19 is built for operation over decades. Whether by salt mist or barn vapour, high snow loads or strong wind pressure – the aleo S_19 delivers long-term high energy yields under extreme conditions. The quality of aleo modules is continuously tested and confirmed by independent institutes. aleo modules are classified with a positive power tolerance. The performance is guaranteed by aleo solar for 25 years, the product guarantee is for 10 years.



Everything from a single source

Consultancy, complete system planning, delivery, financing, insurance, training, disposal (PV CYCLE)



Comprehensive quality management

Production to international quality and environmental standards, for example, ISO 9001 and ISO 14001, and stringent internal controlling



Known worldwide and certified

VDE (IEC 61215 Ed. 2, IEC 61730-1 Ed. 1 and IEC 61730-2 Ed. 1), Clean Energy Council (approved PV module)

Our modules – Quality signed and sealed



Solar module aleo S_19

Electrical data (STC)			S19.250	S19.255
Rated power	P _{MPP}	[W]	250	255
Rated voltage	V _{MPP}	[V]	31.7	32.2
Rated current	I _{MPP}	[A]	7.88	7.92
Open-circuit voltage	V _{OC}	[V]	37.2	37.3
Short-circuit current	I _{SC}	[A]	8.49	8.51
Efficiency	η	[%]	15.2	15.5

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

Electrical data (NOCT)			S19.250	S19.255
Power	P _{MPP}	[W]	180	182
Voltage	V _{MPP}	[V]	28.5	28.8
Current	I _{MPP}	[A]	6.30	6.31
Open-circuit voltage	V _{OC}	[V]	33.9	34.0
Short-circuit current	I _{SC}	[A]	6.90	6.93
Efficiency	η	[%]	13.7	13.8

Electrical values measured under nominal operating conditions of cells: 800 W/m²; 20°C; AM 1.5; wind 1 m/s
NOCT: 47°C (nominal operating cell temperature)

Additional electrical data			
Reduction of STC efficiency from 1000 W/m² to 200 W/m²	[%] rel.	< 6	
Classification range (positive classification)	[W]	0/+4.99	

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]	15

Mechanical load acc. to IEC/EN 61215

Temperature coefficients			
1st temperature coefficient	α (I _{SC})	[%/K]	+0.03
2nd temperature coefficient	β (U _{OC})	[%/K]	-0.34
3rd temperature coefficient	γ (P _{MPP})	[%/K]	-0.48

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

Dimensions [mm]	Please contact your authorised aleo dealer
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