



More power due to
High Efficiency

Strong Performance

aleo's commitment to strong performance makes the module through unique combination of components even more efficient. Whether by salt mist or barn vapour, high snow loads or strong wind pressure – the aleo S_19 gen2 delivers long-term high energy yields under extreme conditions. aleo modules are sorted with a positive power classification. The performance is guaranteed by aleo solar for 25 years, the product guarantee is for 10 years.



High Efficiency

Efficient use of sunlight due to unique combination of module components



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 as well as stringent internal controlling



Robust and simple to install

Improved frame stability, approved for increased pressure and suction loads of 5400 Pascal, flexible mounting through slotted holes and longer connection cables



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 gen2

Electrical data (STC)			S19G255	S19G260	S19G265
Rated power	P _{MPP}	[W]	255	260	265
Rated voltage	V _{MPP}	[V]	31.3	31.3	31.4
Rated current	I _{MPP}	[A]	8.16	8.30	8.44
Open-circuit voltage	V _{OC}	[V]	38.1	38.2	38.3
Short-circuit current	I _{SC}	[A]	8.61	8.76	8.91
Efficiency	η	[%]	15.5	15.8	16.1

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

Electrical data (NOCT)			S19G255	S19G260	S19G265
Power	P _{MPP}	[W]	185	189	193
Voltage	V _{MPP}	[V]	28.3	28.4	28.5
Current	I _{MPP}	[A]	6.54	6.65	6.76
Open-circuit voltage	V _{OC}	[V]	35.0	35.1	35.2
Short-circuit current	I _{SC}	[A]	6.93	7.05	7.17
Efficiency	η	[%]	14.1	14.4	14.6

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

NOCT: 48°C (nominal operating cell temperature)

Additional electrical data		
Reduction of STC efficiency from 1000 W/m² to 200 W/m²	[%] rel.	< 4
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]	+0.04
2nd temperature coefficient	β (V _{OC})	[%/K]	-0.31
3rd temperature coefficient	γ (P _{MPP})	[%/K]	-0.44

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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