



Strong performance

Due to the unique combination of components, the high-efficiency modules from aleo solar are particularly powerful. With the high efficiency, the aleo S18 offers maximum performance compared to the small overall area required. This also means: less effort and less material for installation. This increase in efficiency and the long-term high energy yields of aleo S18 ensure efficient operation of your photovoltaic system. The quality of aleo modules is continuously tested and confirmed by independent institutes. 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



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 S18

Electrical data (STC)			S18J245	S18J250	S18J255	S18J260	S18J265
Rated power	P _{MPP}	[W]	245	250	255	260	265
Rated voltage	V _{MPP}	[V]	30.2	30.3	30.4	30.5	30.7
Rated current	I _{MPP}	[A]	8.11	8.24	8.38	8.51	8.64
Open-circuit voltage	V _{OC}	[V]	37.5	37.5	37.6	37.7	37.7
Short-circuit current	I _{SC}	[A]	8.63	8.76	8.88	9.01	9.14
Efficiency	η	[%]	14.9	15.2	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)			S18J245	S18J250	S18J255	S18J260	S18J265
Power	P _{MPP}	[W]	179	183	187	190	194
Voltage	V _{MPP}	[V]	27.3	27.4	27.5	27.6	27.7
Current	I _{MPP}	[A]	6.56	6.67	6.78	6.89	7.00
Open-circuit voltage	V _{OC}	[V]	34.5	34.5	34.6	34.6	34.7
Short-circuit current	I _{SC}	[A]	7.02	7.12	7.22	7.33	7.43
Efficiency	η	[%]	13.6	13.9	14.2	14.5	14.7

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			
Temperature coefficient I _{SC}	α (I _{SC})	[%/K]	+0.04
Temperature coefficient V _{OC}	β (V _{OC})	[%/K]	-0.31
Temperature coefficient P _{MPP}	γ (P _{MPP})	[%/K]	-0.43

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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