



More power due to
High Efficiency

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 S79 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 S79 ensure efficient operation of your photovoltaic system. The quality of aleo modules is continuously tested and confirmed by independent institutes. aleo S79 modules captivate with their black design. 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



Elegant design

Black frame, black cells and black back sheet



Known worldwide and certified

VDE (IEC 61215 Ed. 2, EC 61730-1 Ed. 1 and IEC 61730-2 Ed. 1)

Our modules – Quality signed and sealed



Solar module aleo S79

Electrical data (STC)			S79L275	S79L280	S79L285
Rated power	P_{MPP}	[W]	275	280	285
Rated voltage	V_{MPP}	[V]	31.1	31.2	31.3
Rated current	I_{MPP}	[A]	8.83	8.97	9.10
Open-circuit voltage	V_{OC}	[V]	39.1	39.2	39.2
Short-circuit current	I_{SC}	[A]	9.62	9.67	9.73
Efficiency	η	[%]	16.7	17.0	17.3

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

Electrical data (NOCT)			S79L275	S79L280	S79L285
Power	P_{MPP}	[W]	200	204	207
Voltage	V_{MPP}	[V]	28.2	28.2	28.3
Current	I_{MPP}	[A]	7.10	7.21	7.33
Open-circuit voltage	V_{OC}	[V]	35.9	35.9	36.0
Short-circuit current	I_{SC}	[A]	7.78	7.83	7.88
Efficiency	η	[%]	15.2	15.5	15.8

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)

Additional electrical data		
Reduction of STC efficiency from 1000 W/m ² to 200 W/m ²	[%] rel.	< 2
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]	20

Mechanical load acc. to IEC/EN 61215

Temperature coefficients			
Temperature coefficient I_{SC}	$\alpha (I_{SC})$	[%/K]	+0.05
Temperature coefficient V_{OC}	$\beta (V_{OC})$	[%/K]	-0.30
Temperature coefficient P_{MPP}	$\gamma (P_{MPP})$	[%/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**

