

aleo module overview



Typ		S19	S25	S79	S79 sol
Number of cells		60	48	60	60
Cell material		Monocrystalline Si	Monocrystalline Si	Monocrystalline Si	Monocrystalline Si
Rated power (STC)	[W]	285 – 295	225 – 230	280 – 290	280 – 290
Length x width x height	[mm]	1660 x 990 x 50	1345 x 990 x 50	1660 x 990 x 50	1016 x 1704 x 37
Weight	[kg]	20	16	20	19
Cable length	[mm]	1200 (+), 800 (-)	1200 (+), 800 (-)	1200 (+), 800 (-)	1200 (+), 800 (-)
Connectors		MC4/PV-JM601	MC4/PV-JM601	MC4/PV-JM601	PV-JM601
Max. system voltage	[V _{oc}]	1000	1000	1000	1000
Max. module pressure load ¹	[Pa]	5400	5400	5400	5400
Max. module suction load ¹	[Pa]	5400	5400	5400	2400
Classification range (positive classification)	[W]	0/+4,99	0/+4,99	0/+4,99	0/+4,99
Certified according to IEC/EN 61215 (Ed. 2)		yes	yes	yes	yes
Certified acc. to IEC/EN 61730, protection class II		yes	yes	yes	yes
Testing authority		VDE	VDE	VDE	VDE
Power Guarantee ²		25 years	25 years	25 years	25 years
Product Guarantee ²		10 years	10 years	10 years	10 years

Our modules – Quality signed and sealed



¹ Mechanical load to IEC/EN 61215

² Detailed information regarding our product and power guarantees can be requested from us at any time. It is also available online at www.aleo-solar.com.

Detailed information about our warranties is available on our website

Subject to change without notice | Errors and omissions excepted

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aleo

High power up to 295 Watt

Through the combination of the selected components of the well-proven aleo HE-Tec and solar cells of the new technology, aleo high-power modules reach an efficiency of almost 18 %.

Excellent weak light behavior

In addition to their high power, the aleo high-power modules are characterized by their particularly good weak light behavior. That means higher yield, especially in diffuse light and in the morning and evening hours. The fact that the module yield is less dependent on the angle of light incidence also provides a higher installation flexibility.

10 % less installation effort and more

For the same installed power, you need less modules. This means you can save on average 10 % of the time and material needed.

100 % quality

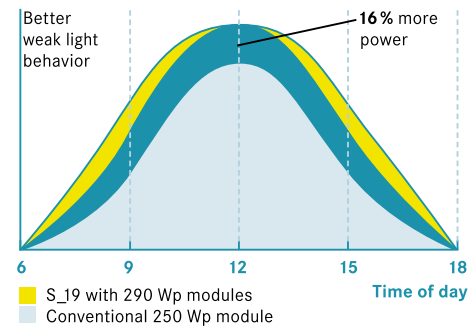
With the aleo quality, well-proven since 2001, also the high-power module comes to you as a particularly stable and durable product. No matter if pressure or suction load: aleo modules have demonstrated to withstand a mechanical load of 5,400 Pa.



aleo S_18 tested in accordance with the PVDI test programme

More output with high-power modules

Output



Made in Germany



Extensive quality management through production according to international quality and environmental standards, such as ISO 9001 and ISO 14001 as well as strict internal examinations



Constantly high cell quality through strict quality examinations by high-resolution electroluminescence and infrared measurements



Strict quality examinations of the supplied components and each manufacturing step through optical and electronic test stations along the whole manufacturing line



10 years product and 25 years performance guarantee to all solar modules



Top positions in independent performance tests such as Stiftung Warentest, Ökotest, and the "PV Durability Initiative" (PVDI) of the Fraunhofer Institute for solar energy systems ISE



Proper recycling of all sold modules through full membership in the PV Cycle Association



Intelligent and perfectly matched systems and services from the technical and economical plant layout up to the factory service



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

Your authorised specialist dealer