

Solar



FATH VOLT

FATH Solar Modules FS 260EM to 265EM

The Advantages

- + The large-sized modules and the FATH mounting system provide for an ideal installation efficiency
- + No dirt gaps, smooth surfaces
- + Optimum drain of snow, dirt and water
- + High-tensile frame made of custom aluminium profile, providing a load capacity of up to 5400 Pascal
- + Textured low iron glass for high shock strength and optimum efficiency



High-performance modules FS 260EM to FS 265EM are appropriate to building-integrated and on-roof mounting.

By seamless integration of the modules into the roof surface, a perfectly homogeneous appearance is provided, giving entirely new possibilities to clients and architects. **FATH Solar** chooses only the best laminates from brand named cooperation partners for the manufacturing of the **FATH VOLT** modules, applying our very tight quality criteria. The laminates are tested by experts in-house but as well by independent institutions on a regular basis.

Mechanical Data

Length	[mm]	1665 (±3)
Width	[mm]	1019 (±3)
Depth	[mm]	48 (±1)
Weight	[kg]	21.3
Bypass diodes	Number	3
Length of plus wire	[mm]	1000
Cross section of plus wire	[mm ²]	4
Length of minus wire	[mm]	1000
Cross section of minus wire	[mm ²]	4
Plug	Type	MC 4
Thickness of glass cover	[mm]	3.2
Surface load capacity	Pascal	5400, static
Cells	Number	60
Cell technology	Type	monocrystalline
Cell embedding	Material	EVA (Ethyl Vinyl Acetate)
Underside	Material	Tedlar
Frame, custom profile	Material	Aluminium

Warranty

The producer of laminated solar panels AXSUN gives a limited warranty of 12 years, as well as a performance warranty of 25 years. You can find more detailed information in the warranty conditions of AXSUN.

Certificates

Certification in process

Operating Conditions

Maximum operating temperature	[°C]	85
Minimum operating temperature	[°C]	-40

Electrical Data

Description		FS 260EM	FS 265EM
Nominal power output	[Wp]	260	265
Output tolerance	[Wp]	-0 / +5	-0 / +5
Efficiency	[%]	15.8	16.1
Maximum system voltage	[V]	1000	1000
Voltage at P_{max}	[V]	32.8	33.1
Current at P_{max}	[A]	7.92	8.01
Open-circuit voltage U_{oc}	[V]	38.2	38.4
Short-circuit current I_{sc}	[A]	8.49	8.52
Part No.			11016

* STC (1000W/m², 25°C, AM1.5 spectrum according to EN 60904-3)

Temperature Coefficients

NOCT (Nominal Operating Cell Temperature)	[°C]	47.0
Short-circuit current I_{sc}	[%/K]	0.04
Open-circuit voltage U_{oc}	[%/K]	-0.367

The data do not refer to a single module and they are not part of the offer, they serve for comparison only to different module types. Subject to modifications and errors.



**Electrical device:
Use professional
advise.**