



MEYER BURGER

# MegaSlate® solar facade

easy to install, cost-effective, aesthetical

## The facade that pays for itself

- Efficient, space-saving energy generation as part of the building shell
- Cost-effective solar facade with high energy yield
- Simple, fast installation
- Higher energy yield due to optimum individual rear ventilation and module self-cleaning
- Homogenous and aesthetical appearance
- A Swiss quality product from Thun



## Active building design with photovoltaics



The MegaSlate® solar facade enables flexible design of facade claddings and integrates perfectly into the architectural design language of the building. Custom-made special modules are available to complement the system. Based on the successful MegaSlate® solar roof system, the MegaSlate® solar facade guarantees the best possible price/performance ratio.

The face-mounted, rear-ventilated solar facade is suitable for installation on buildings of low and medium height and has been structurally tested in respect of wind pressure and suction. The solar facade system complies with the current fire safety regulations and the modules are also secured to prevent them falling.

## Specifications

Properties	185	135
Dimensions standard module	1300 x 875 x 6.5 mm	984 x 875 x 6.5 mm
Customised module	MegaSlate® Crea	
Glass thickness	5 mm	
Glass properties	Tempered solar safety glass ESG	

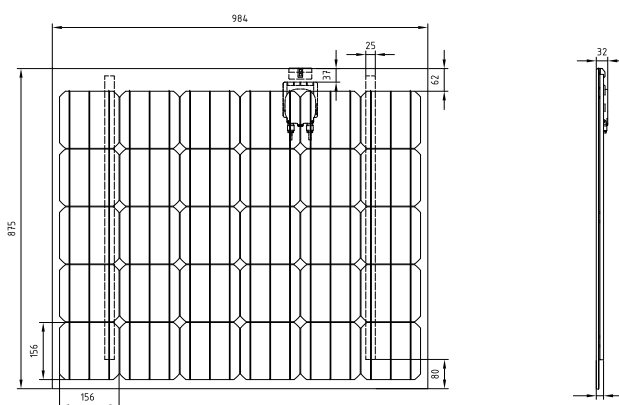
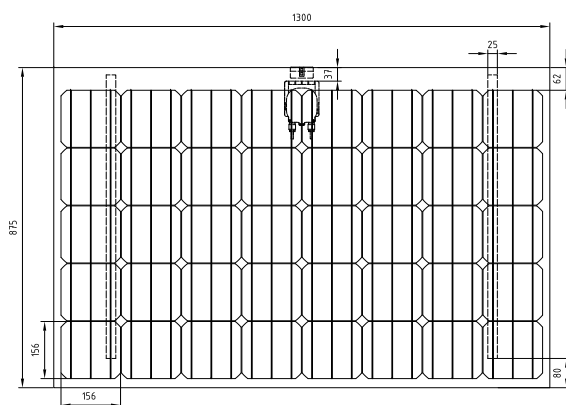
Mechanical specifications	
Backsheet	Highly insulating multilayer laminate / anthracite
Laminate structure	Glass / EVA / cells / EVA / backsheet
Cell type	156 x 156 mm monocrystalline MB-PERC
Junction box	Solarlok 3-rail with 2 bypass diodes
Connection cables	Solarlok 4 mm <sup>2</sup> , length 1 m each
Connectors	Solarlok PV4
Dimensioning pressure load	2400 N/m <sup>2</sup>
Dimensioning suction load	1600 N/m <sup>2</sup>
Application range	Facades according to VKF guidelines with class 5.2 fire rating
Hail resistance class	HW 4 (withstands 40 mm diameter hailstones)

Electrical specifications	185	135
Nominal output	185 Wp	135 Wp
Voltage U <sub>mpp</sub>	21.8 V	15.9 V
Current I <sub>mpp</sub>	8.5 A	8.5 A
Open circuit voltage U <sub>oc</sub>	26.3 V	19.6 V
Short circuit current I <sub>sc</sub>	9.0 A	9.0 A
Maximum system voltage	1000 V	
Reverse current overload	18 A	
Tolerance nominal output	±3 %	

Electrical performance characteristics at STC (1000 W/m<sup>2</sup>, 25°C, AM 1.5). Measurement protocols are available on request.

Temperature coefficients	
α (I <sub>sc</sub> )	+0.046 %/K
β (U <sub>oc</sub> )	-0.306 %/K
γ (P <sub>mpp</sub> )	-0.391 %/K

System components	
Wenger skylights	Wenger Fenster AG
Solar thermal panels	H+S Solar GmbH



## Certifications and guarantee

■ TÜV Rheinland certificate	ID: 0000038128
■ Quality testing, static load-bearing capacity	IEC 61215
■ Operating safety	IEC 61730
■ Fire safety	DIN-EN 13501-5
■ Product guarantee	10 years
■ Performance guarantee	10 years at 90% of the minimum output 25 years at 80% of the minimum output



Your installation partner:

Meyer Burger AG  
Schorenstrasse 39  
CH-3645 Gwatt (Thun)  
Telephone +41 33 221 21 21  
www.meyerburger.com  
info.pvsystems@meyerburger.com



Further information on our Swiss quality products can be found on the website. We are also happy to provide advice in person.