

0322.1413 Swiss Premium

# M330-60-w GG3

Frameless glass-glass module / white /  
monocrystalline full-square / 330 Wp



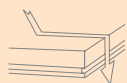
Made in Deitingen (Switzerland)



Meets highest aesthetic requirements



Safety glass for overhead glazing and facades



Snow and soiling cannot stick



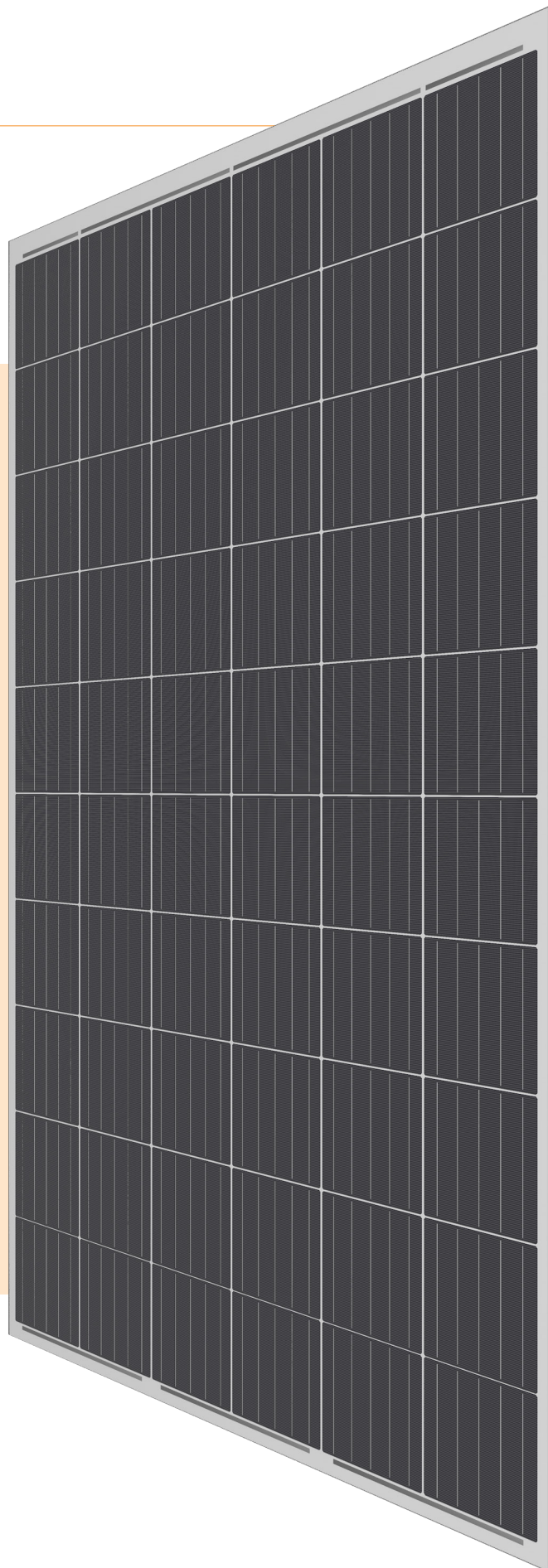
Lifespan of over 50 years due to glass-glass technology



5-busbar technology



Full traceability of all raw materials



The trend-setting Megasol glass-glass modules' front and back side consist of two identical glass panels. By deploying a particularly high-quality encapsulation material, Swiss Premium solar modules feature a very long lifespan of over 50 years.



innovation in power



Electrical data STC

Nominal power (Pmpp)	330 Wp
Nominal voltage (Umpp)	34.1 V
Nominal current (Impp)	9.69 A
Open circuit voltage (Uoc)	40.4 V
Short circuit current (Isc)	10.74 A
Cell efficiency	22.50 %
Module efficiency	19.85 %
Power sorting	-0/+5 %

STC (Standard Test Conditions): irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C, AM 1.5  
 Measuring tolerances ±3 % (Pmpp); ±10 % (Umpp, Impp, Uoc, Isc)

Electrical data at partial load

800 W/m<sup>2</sup>

Nominal power (Pmpp)	249 Wp
Nominal voltage (Umpp)	31.6 V
Nominal current (Impp)	7.90 A
Open circuit voltage (Uoc)	37.9 V
Short circuit current (Isc)	8.36 A

Measuring tolerances ±5 % (Pmpp); ±10 % (Umpp, Impp)

Thermal properties

Nominal operating cell temperature (NOCT)	45 ± 2 °C
Temperature coefficient Uoc	-0.26 %/°C
Temperature coefficient Isc	+0.031 %/°C
Temperature coefficient Pmpp	-0.37 %/°C

Operating conditions

Temperature range	-40 ... +85 °C
Max. system voltage	1000 V optionally available for 1500V
Max. reverse current	20 A
Max. string fuse	16 A
Max. wind and snow loads *	Up to 13'000 N/m <sup>2</sup>
Hail resistance	Ø40 mm at 23 m/s Hail protection class 4
Application class (acc. to IEC/EN61730)	A

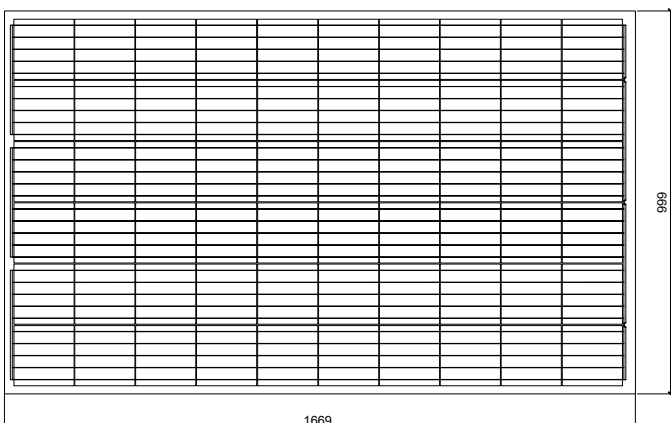
Fire protection

Top and back layer are made of heat-resistant glass. The component is considered to be non-combustible material as defined by the Cantonal Fire Insurances.

Protection class	II
Standards	IEC/EN 61215, 61730
Salt spray test	IEC/EN 61701 I+II
Ammonium corrosion test	IEC/EN 62716

\* Max. possible forces acting on the module. The maximum values in mounted condition depend on the substructure as well as the installation situation. If the requirements are higher than IEC/EN 61215, a project-specific dimensioning of the mounting system is necessary.

Technical drawing

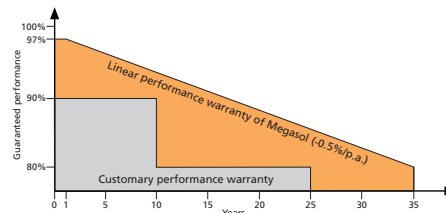


General data

Laminate structure	Glass-glass
Cell type	Mono, deep black, full-square M3, 5 BB
Cell size	158.75 x 158.75 mm
Number of cells (matrix)	60 (6x 10)
Colour between cells	White
Frame	Frameless
Front side	3.2 mm solar glass High-transmission, tempered/toughened, nano-finished/antireflective surface
Encapsulation material	Special EVA (UV+ / IR+) with lowest water vapour permeability
Back side	3.2 mm solar glass Tempered/toughened
Junction box	3 bypass diodes, IP 67
Cable cross section	4 mm <sup>2</sup>
Connectors	MC4 compatible, IP 67
Dimensions (LxWxH) ±3.0 mm	1669x999x8 mm
Modular dimensions (LxW)	Depending on the installation situation
Weight	29.5 kg

Quality and warranty

Quality characteristics	PID-free (no potential induced degradation) Yield-optimized low-light performance Full traceability of all raw materials
Product warranty	10 years
Linear performance warranty	35 years



Relative efficiency level in relation to the minimal output (%). At least 97% of the minimum output during the first year. Afterwards, max. 0.5% degradation per annum. At least 92.5% of the minimum output after 10 years. At least 85% of the minimum output after 25 years. At least 80% of the minimum output after 35 years. All data within the measuring tolerances. Warranties according to the respective latest Megasol Warranty Conditions which can be found on [www.megasol.ch/warranty](http://www.megasol.ch/warranty).



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