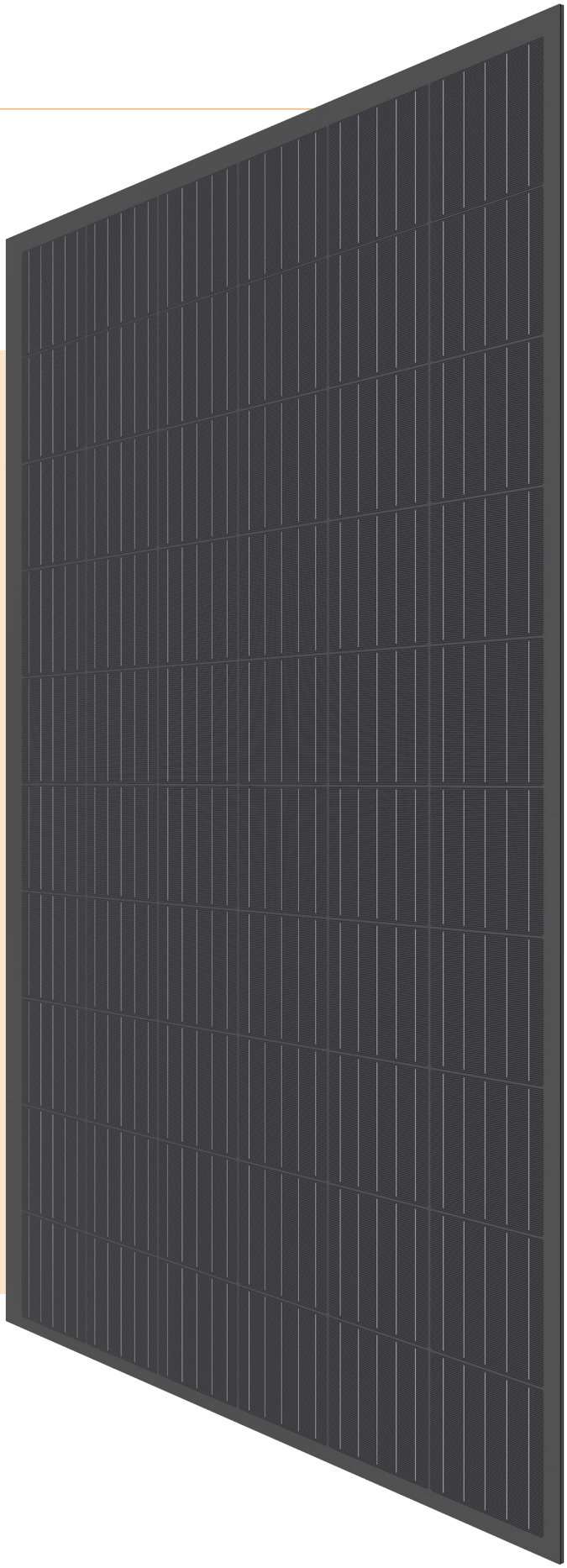
0322.1534 Swiss Premium

M340-60-b GG3

Frameless glass-glass module / Full Black /
Mono HiR full-square / 340 Wp



Made in Deitingen (Switzerland)

n-type HiR technology

Meets highest aesthetic requirements

Safety glass for overhead glazing and facades

Snow and soiling cannot stick

50+

Lifespan of over 50 years due to glass-glass 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.

megasol
innovation in power

Swiss Premium M340-60-b GG3

Art. 0322.1534

Electrical data STC

Nominal power (Pmpp)	340 Wp
Nominal voltage (Umpp)	35.7 V
Nominal current (Impp)	9.53 A
Open circuit voltage (Uoc)	42.4 V
Short circuit current (Isc)	10.62 A
Cell efficiency	24.20 %
Module efficiency	20.41 %
Power sorting	-0/+5 %

STC (Standard Test Conditions): irradiance 1000 W/m², cell temperature 25 °C, AM 1.5
Measuring tolerances ±3 % (Pmpp); ±10 % (Umpp, Impp, Uoc, Isc)

Electrical data at partial load

800 W/m²

Nominal power (Pmpp)	254 Wp
Nominal voltage (Umpp)	33.3 V
Nominal current (Impp)	7.63 A
Open circuit voltage (Uoc)	40.4 V
Short circuit current (Isc)	8.50 A

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

Thermal properties

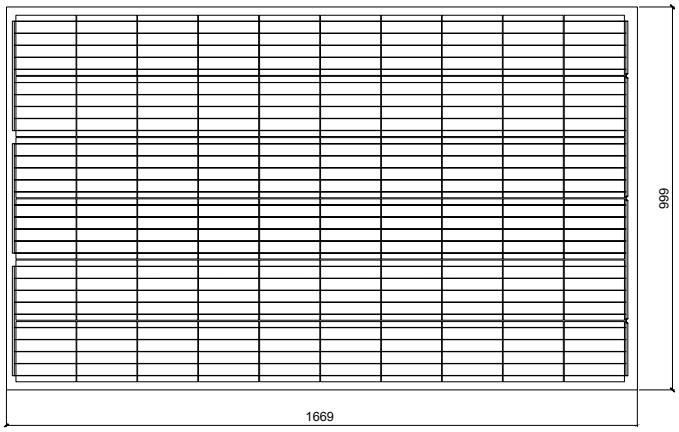
Nominal operating cell temperature (NOCT)	42 ± 2 °C
Temperature coefficient Uoc	-0.260 %/°C
Temperature coefficient Isc	+0.046 %/°C
Temperature coefficient Pmpp	-0.320 %/°C

Operating conditions

Temperature range	-40 ... +85 °C
Max. system voltage	1000 V optionally available for 1500 V
Max. string fuse	20 A
Max. snow loads *	Up to 13'000 N/m²
Hail resistance	ø40 mm at 23 m/s Hail protection class 4
Application class (acc. to IEC/EN 61730)	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



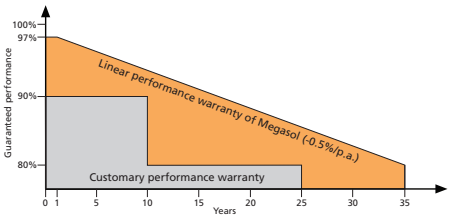
Note: The instructions in the installation manual must be strictly complied with. Further information about approved utilization of products can be found in the installation manual or can be requested from the technical service.

General data

Laminate structure	Glass-glass
Cell type	Megasol Mono HiR Deep black
Cell size	158.75 mm (G1 full-square)
Number of cells (matrix)	60 (6x 10)
Colour	Full Black Black cell spacing, black cross-contacts
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, IP67
Cable cross section	4 mm²
Connectors	MC4 compatible, IP67
Dimensions (L x W x H) ±3.0 mm	1669 x 999 x 8 mm
Modular dimensions (L x W)	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	15 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.

E-mail: info@megasol.ch
Hotline: +41 62 919 90 90
www.megasol.ch

Megasol partner