

## MATCH Tile M64-HC20 totallyblack F4

## MATCH Tile M25-HC8 totallyblack F2

Art. 3337.1142 (N) / 3337.1143 (O) / 3337.1144 (NR) / 3337.1145 (OR)

Art. 3337.1146 (N) / 3337.1147 (O) / 3337.1148 (NR) / 3337.1149 (OR)

Electrical data STC	M64-HC20	M25-HC8
Nominal power (Pmpp)	64 Wp	25 Wp
Nominal voltage (Umpp)	11.9 V	4.8 V
Nominal current (Impp)	5.39 A	5.39 A
Open circuit voltage (Uoc)	13.9 V	5.6 V
Short circuit current (Isc)	5.70 A	5.70 A
Cell efficiency	24.0 %	
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)

### Thermal properties

Nominal operating cell temperature (NOCT)	42 ± 2 °C
Temperature coefficient Uoc	-0.268 %/°C
Temperature coefficient Isc	+0.042 %/°C
Temperature coefficient Pmpp	-0.300 %/°C

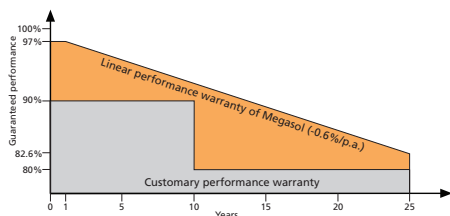
### Operating conditions

Temperature range	-40 ... +85 °C
Max. system voltage	1500 V
Max. string fuse	15 A
Max. surface load *	Up to 13'000 N/m <sup>2</sup>
Hail resistance	Ø 50 mm (30.8 m/s) Hail protection class 5
Application class (acc. to IEC/EN61730)	A
Fire protection class (acc. to EN 13501-1)	B - s1, d0
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 the installed state depend on the type of installation, installation situation, location and type of load. Specific details can be found in the respective planning information.

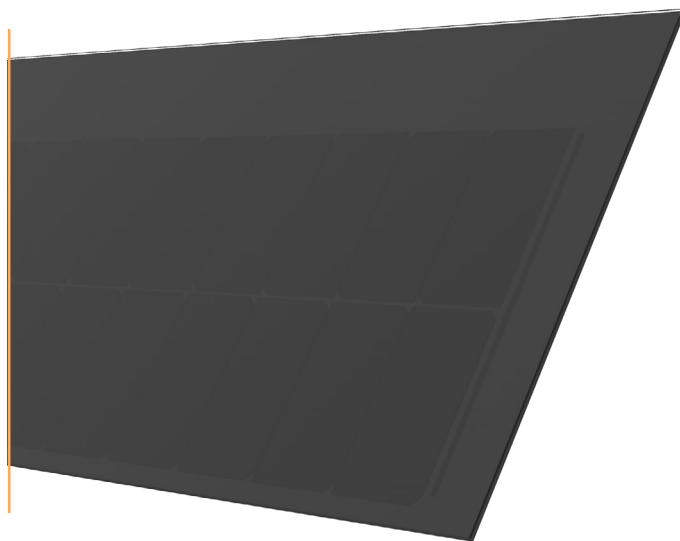
### Quality and warranty

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	25 years



Relative efficiency level in relation to the minimal output (%). At least 97 % of the minimum output during the first year. Afterwards, max. 0.6 % degradation per annum. At least 91.6 % of the minimum output after 10 years. At least 82.6 % of the minimum output after 25 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).

**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	M64-HC20	M25-HC8
Laminate structure	Glass-glass	
Cell technology	Megasol Mono HiR RearCon	
Cell format	M6 Half-cut 166 x 83 mm	
Number of cells (matrix)	20 (2x 10)	8 (2x 4)
Design	Totally Black Black cell spacing, black cross connectors, hidden busbars (RearCon)	
Frame	Frameless MATCH Tile roof-integrated system	
Front glass	4 mm TVG (Megasol Fjord) High-transmission, extrawhite	
Encapsulation material	Special EVA (UV+ / IR+) with lowest yellowness index	
Back glass	4 mm TVG	
Connectors	Original Stäubli MC4-Evo 2	
Product dimensions (W x H) ±4.0 mm	915x465 mm	455x465 mm
Grid dimensions (W x H)	920x380 mm	460x380 mm
Weight	8.6 kg	4.3 kg



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Megasol partner

Subject to errors and technical modifications. Data sheet in accordance with DIN EN 50380. © Megasol Energy Ltd | Version: 08/2024