

MATCH Tile M65-HC24 terracotta A5
MATCH Tile M48-HC18 terracotta A4
MATCH Tile M32-HC12 terracotta A3
MATCH Tile M21-HC8 terracotta A2

Art. 3337.0957 (N) / 3337.0958 (O) / 3337.0959 (NR) / 3337.0960 (OR)
 Art. 3337.0903 (N) / 3337.0904 (O) / 3337.0905 (NR) / 3337.0906 (OR)
 Art. 3337.0907 (N) / 3337.0908 (O) / 3337.0909 (NR) / 3337.0910 (OR)
 Art. 3337.0911 (N) / 3337.0912 (O) / 3337.0913 (NR) / 3337.0914 (OR)

Electrical data STC	M65-HC24	M48-HC18	M32-HC12	M21-HC8
Nominal power (Pmpp)	65 Wp	48 Wp	32 Wp	21 Wp
Nominal voltage (Umpp)	14.3 V	10.7 V	7.1 V	4.8 V
Nominal current (Impp)	4.56 A	4.56 A	4.56 A	4.56 A
Open circuit voltage (Uoc)	16.7 V	12.5 V	8.4 V	5.6 V
Short circuit current (Isc)	4.82 A	4.82 A	4.82 A	4.82 A
Cell efficiency	24.0 %			
Power sorting	-0/+5 %			

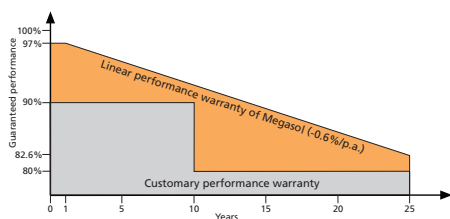
STC (Standard Test Conditions): irradiance 1000 W/m², cell temperature 25°C, AM 1.5
 Measuring tolerances ±3 % (Pmpp); ±10 % (Umpp, Impp, Uoc, Isc)

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

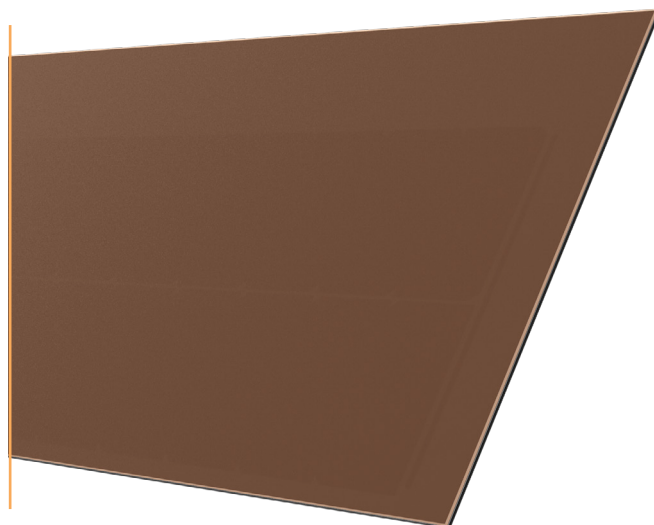
Operating conditions	
Temperature range	-40 ... +85 °C
Max. system voltage	1000 V
Max. string fuse	15 A
Max. snow load *	Up to 2'400 N/m ²
Hail resistance	HW 5 (50 mm at 30.8 m/s)
Application class (acc. to IEC/EN61730)	A
Fire protection	Top and back layer are made of heat-resistant glass. The component 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.

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
Production	Made in Deitingen, Switzerland



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.



General data	M65-HC24	M48-HC18	M32-HC12	M21-HC8
Laminate structure	Glass-glass			
Cell technology	Megasol Mono HiR RearCon			
Cell format	M6 Half-cut 166 x 83 mm			
Number of cells (matrix)	24 (2x12)	18 (2x9)	12 (2x6)	8 (2x4)
Design	Terracotta			
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			
Product dimensions (WxH) ±4.0 mm	1110x465 mm	887x465 mm	664x465 mm	441x465 mm
Grid dimensions (WxH)	1115x380 mm	892x380 mm	669x380 mm	446x380 mm
Weight	10.4 kg	8.3 kg	6.2 kg	4.2 kg



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