

MATCH Slate M76-HC24 fjord totallyblack
MATCH Slate M44-HC14 fjord totallyblack
MATCH Slate M19-HC6 fjord totallyblack

Art. 3337.0947
 Art. 3337.0943
 Art. 3337.0944

Electrical data STC	M76-HC24	M44-HC14	M19-HC6
Nominal power (Pmpp)	76 Wp	44 Wp	19 Wp
Nominal voltage (Umpp)	14.3 V	8.3 V	3.6 V
Nominal current (Impp)	5.39 A	5.39 A	5.39 A
Open circuit voltage (Uoc)	16.7 V	9.8 V	4.2 V
Short circuit current (Isc)	5.70 A	5.70 A	5.70 A
Cell efficiency	24.0 %		
Power sorting	-0/+5 %		

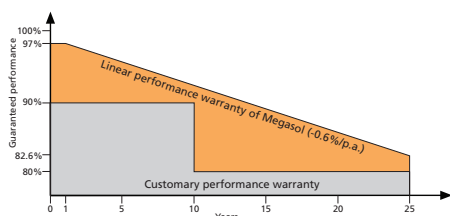
STC (Standard Test Conditions): irradiance 1000 W/m², cell temperature 25°C, AM 1.5
 Measuring tolerances ±3 % (Pmpp); ±10 % (Umpp, Impp, %, Uoc, Isc)

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

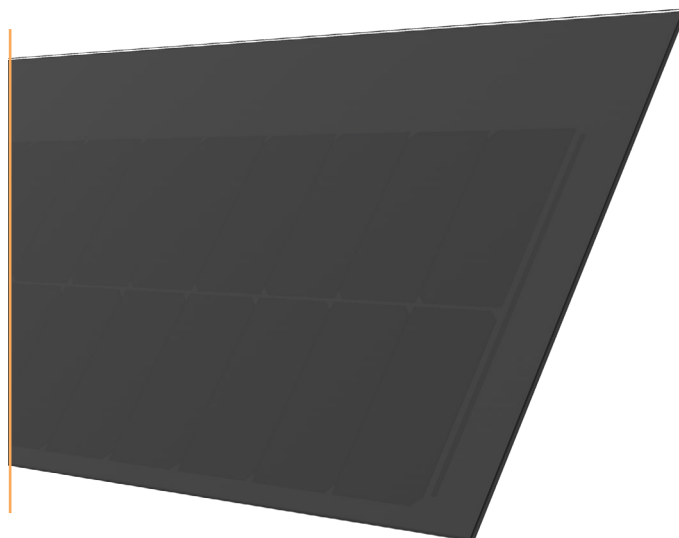
Operating conditions	
Temperature range	-40 ... +85 °C
Max. system voltage	1500 V
Max. string fuse	15 A
Max. surface load *	Up to 13'000 N/m ²
Hail resistance	Ø 50 mm (30.8 m/s) Hail protection class 5
Application class (acc. to IEC/EN61730)	A
Fire protection class (acc. to EN 13501-1)	B - s1, d0
Protection 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.



General data	M76-HC24	M44-HC14	M19-HC6
Laminate structure	Glass-glass		
Cell technology	Megasol Mono HiR RearCon		
Cell format	M6 Half-cut 166 x 83 mm		
Number of cells (matrix)	24 (2x 12)	14 (2x 7)	6 (2x 3)
Design	Totally Black Black cell spacing, black cross connectors, hidden busbars (RearCon)		
Frame	Frameless MATCH Slate 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 (WxH) ±4.0 mm	1081x465 mm	719x465 mm	357x465 mm
Grid dimensions (WxH)	1086x380 mm	724x380 mm	362x380 mm
Weight	10.1 kg	6.7 kg	3.4 kg



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