

New**Datasheet MS 5 1Power 100 Watt black**

Type.: M/24-100W

Glas - Foil laminate

Photovoltaic System produced with the highest quality standards
 24 first class, mono-crystalline, high efficiency cells in 2 rows
 with 12 cells per row

Technical Data of the laminate according to STC

Electric power output	100 Wp
Tolerance in power output	- 0 + 5 %
No-load working voltage	15,20 V
Working Voltage	12,20 V
Short circuit current	8,80 V
Rated working curren	8,20 A
Max. system voltage	1000 V
Temperature coeffizient PM	- 0,430 %/°C
Temperature coeffizient VOC	- 0,340 %/°C
Temperature coeffizient ISC	0,050 %/°C
Cell efficiency	≈ 18,3 %
Measures (incl. frame)	1965 x 399 mm
Weight (incl. frame)	ca. 9,5 kg

Laminate-Technology

24 mono-crystalline highly efficient 6+“ solar cells

Safety-Solarglas 3,2 mm, containing minimal amounts of iron

Hail resistance according to IEC 61215 and IEC 61730

Encapsulation with UV resistant, super transparent Ethylen Vinylacetate,
 black PET rear side

Frame: anodized aluminium dark brown C34 (similar to standard tile colour)

Cable plugs: MC4 connection plugs, solar cable 2 x 4,0 mm² x each 1200 mm long

Junction box: IP 65

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