

TECHNICAL DATASHEET

VSM6108-100



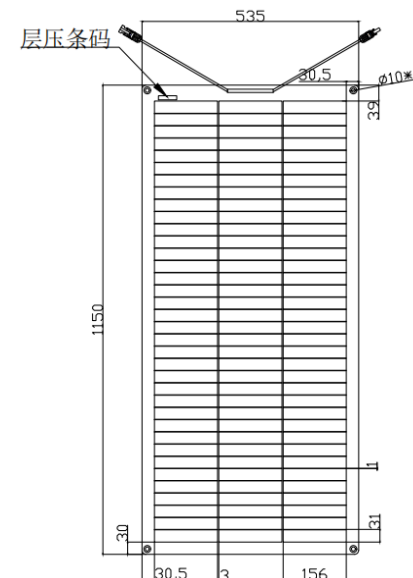
Technical Data

Type	VSM6108-100
Type of Solar Cell	Mono-crystalline, 156m*156mm
Number of Cells	108pcs
Size of module	1150×535×5mm (156×31mm cell)
Module Weight	5.0 kg
Connector	Junction Box
Cables Length (+/-)	Customizable
Anterior covering membrane	ETFE / POLISH PET

Electrical Data

Maximum Power	$P_{MPP\ STC}$	100W
Power Tolerance	\pm_{STC}	+ 3%
Maximum Power Voltage	$V_{MPP\ STC}$	19.8V
Maximum Power Current	$I_{MPP\ STC}$	5.1A
Open Circuit Voltage	$V_{OC\ STC}$	22.68V
Short Circuit Current	$I_{SC\ STC}$	5.71A
Cell Efficiency	η_{STC}	21.5%
Maximum System Voltage	V_{DC}	1000 V

STC: Irradiance 1000 W/m² Spectrum AM 1.5 Cell Temperature 25°C, Wind 0 m/s



Temperature Coefficients

Power Coefficient	$\%_k \& P_{MPP}'$	0.50" 0.05%/K
Voltage Coefficient	$\beta_k \& V_{oc}'$	0.35" 0.01%/K
Current Coefficient	$k \& I_{sc}'$	0.065" 0.015%/K

Power Warranty

- 10 years performance warranty to 90 %
- 25 years performance warranty to 80 %
- 5 years warranty against production and material defects

Certifications

IEC 61215, IEC 61730, TUV, CE, ISO9001:2000

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