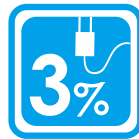
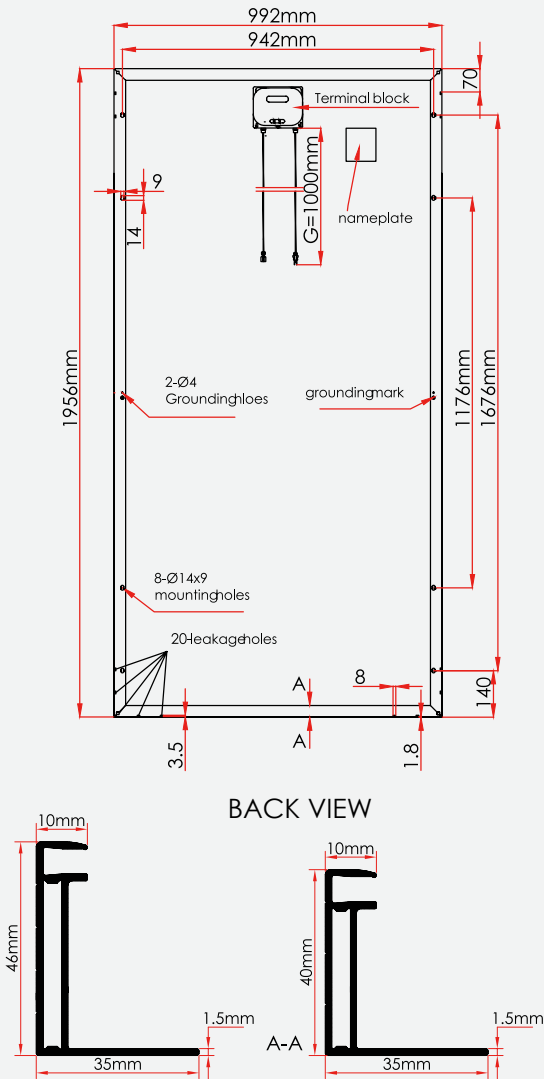


SWM315M156

THE Mustang MODULE

DIMENSIONS OF PV MODULE SWM315M156



Guaranteed power output
0~3%



Stringent Quality Control
All modules undergo electrical performance test, 1000 V insulation test, and electroluminescence test



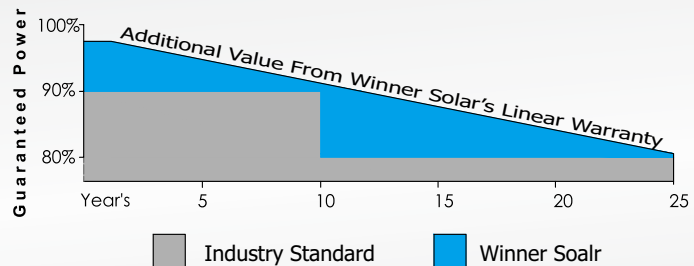
Reliable Performance
Anti-reflective glass coating and advanced cell surface texturing to better capture direct and indirect light
“Lower temperature coefficient for higher output in hot conditions”



Maximize Limited Space
72-cell module power output up to 320W

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



Certificates



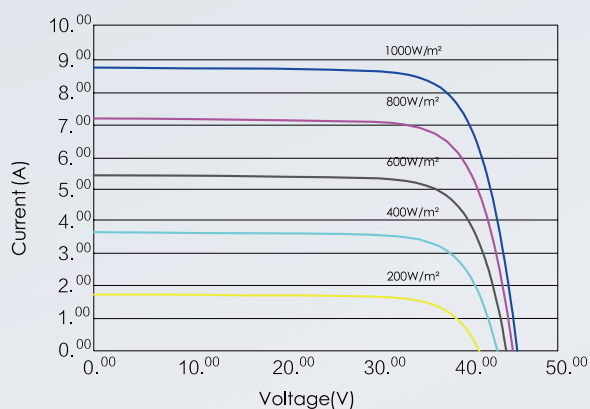
ELECTRICAL DATA @ STC	SWM310M156	SWM315M156	SWM320M156
Peak Power Watts P_{MAX} (Wp)	310	315	320
Power Output Tolerance P_{MAX} (%)	+3	+3	+3
Maximum Power Voltage V_{MP} (V)	37.4	37.6	37.8
Maximum Power Current I_{MPP} (A)	8.29	8.38	8.47
Open Circuit Voltage V_{OC} (V)	45.9	46.1	46.4
Short Circuit Current I_{SC} (A)	8.80	8.87	8.98
Module Efficiency η_m (%)	16.0	16.2	16.5

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

ELECTRICAL DATA @ NOCT	SWM310M156	SWM315M156	SWM320M156
Maximum Power P_{MAX} (Wp)	230	234	238
Maximum Power Voltage V_{MP} (V)	35.5	35.8	35.9
Maximum Power Current I_{MPP} (A)	6.47	6.54	6.62
Open Circuit Voltage V_{OC} (V)	43.5	43.9	44.1
Short Circuit Current I_{SC} (A)	7.06	7.10	7.15

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

I-V CURVES OF PV MODULE SWM315M156



Average efficiency reduction of 4.5% at 200W/M² according to EN 60904-1.

Luo Yang Winners Solar Technology Co., Ltd

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Note: Please read the safety and installation instructions before using the product.

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Any relevant change of specifications in the data sheet shall be subject to actual products.

MECHANICAL DATA

Solar Cells	Mono-crystalline 156 × 156mm (6 in)
Cell Orientation	72 cells (6×12)
Module Dimensions	1956×992×40mm (62.2×41.89×1.57 in)
Weight	22kg (48.5 lb)
Glass	High transparency solar glass 3.2mm (0.13 in)
Frame	Anodized aluminium alloy
J-Box	IP 65 rated
Cables	Photovoltaic technology cable 4.0mm ² (0.0062 in ²)
Connector	Original MC4 PLUS

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C (±2°C)
Temperature Coefficient of P_{MAX}	- 0.43% / °C
Temperature Coefficient of V_{OC}	- 0.32% / °C
Temperature Coefficient of I_{SC}	0.047% / °C

MAXIMUM RATINGS

Operational Temperature	-40°C ~ +85°C	10 Year Product Workmanship Warranty
Maximum System Voltage	1500V DC (IEC) / 1000V DC (UL)	
Max Series Fuse Rating	15A	25 Year Linear Power Warranty

WARRANTY

PACKAGING CONFIGURATION

	20' GP	40' GP	40' HQ
Quantity/Pallet	26	26	28
Pallet Quantity	10	22	22
Total Pcs	260	572	616