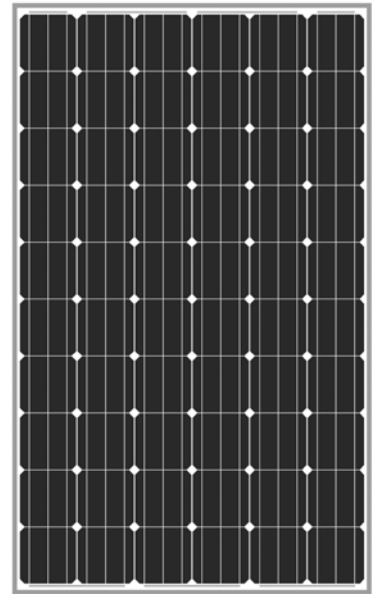


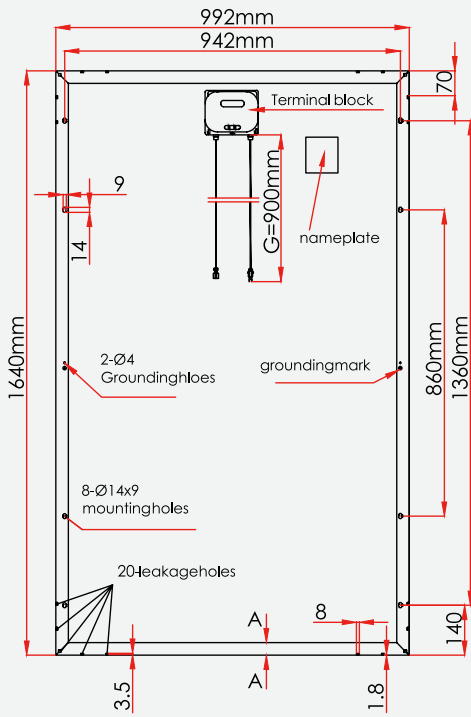
Monocrystalline Polycrystalline Off-grid Application Power Station

SWM270M156

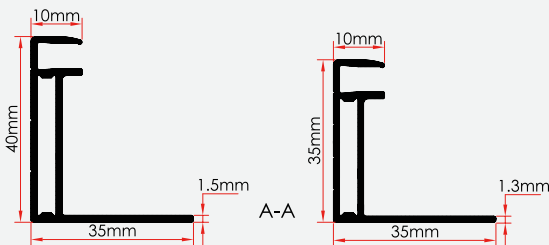
THE Mustang MODULE



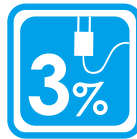
DIMENSIONS OF PV MODULE SWM270M156



BACK VIEW



Certificates



Guaranteed power output
0~3%



Sleek Appearance
Available with black frame



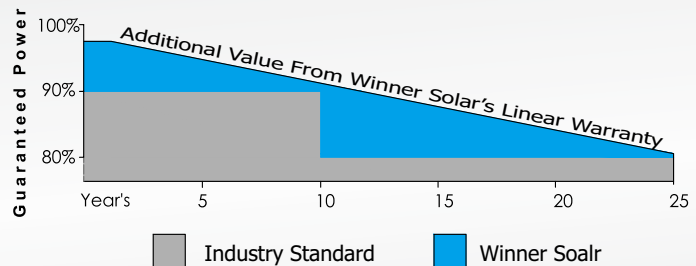
Stringent Quality Control
All modules undergo electrical performance test, 1000 V insulation test, and electroluminescence test



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"

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



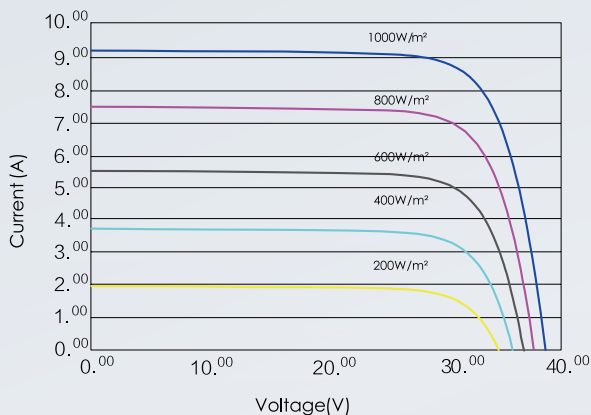
ELECTRICAL DATA @ STC	SWM265M156	SWM270M156	SWM275M156
Peak Power Watts P_{MAX} (Wp)	265	270	275
Power Output Tolerance P_{MAX} (%)	+3	+3	+3
Maximum Power Voltage V_{MP} (V)	31.2	31.4	31.6
Maximum Power Current I_{MPP} (A)	8.50	8.60	8.70
Open Circuit Voltage V_{OC} (V)	38.2	38.4	38.5
Short Circuit Current I_{SC} (A)	9.19	9.28	9.40
Module Efficiency η_m (%)	16.3	16.6	16.9

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

ELECTRICAL DATA @ NOCT	SWM265M156	SWM270M156	SWM275M156
Maximum Power P_{MAX} (Wp)	197	210	205
Maximum Power Voltage V_{MP} (V)	29.0	29.3	29.6
Maximum Power Current I_{MPP} (A)	6.78	6.85	6.93
Open Circuit Voltage V_{OC} (V)	35.4	35.6	36.0
Short Circuit Current I_{SC} (A)	7.39	7.45	7.54

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

I-V CURVES OF PV MODULE SWM270M156



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

Luo Yang Winners Solar Technology Co., Ltd

Add: NO.123 North Hengshan Road, Luoyang Industrial Park, Xigong District, Luoyang City, Henan Province, China
 Tel : +86 0379 62370111
 Email: sale@winner-solar.com
 Web: www.winner-solar.com

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	60 cells (6×10)
Module Dimensions	1640×992×35mm (64.57×39.06×1.38 in)
Weight	18.5kg (40.79 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	30	30	32
Pallet Quantity	12	28	28
Total Pcs	360	840	896