



Huawei Solar

HWM6

72/290-325

MONOCRYSTALLINE SILICON MODULE

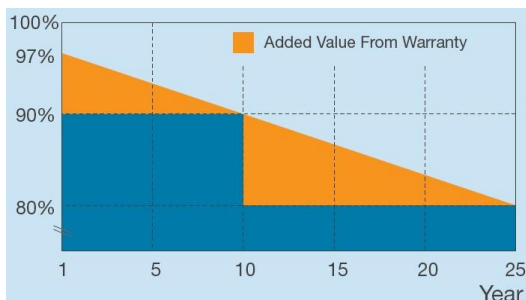
Hunan Huawei Solar Co., Ltd.

Hunan Huawei Solar Co., Ltd, is a world-leading manufacturer of high-performance photovoltaic products that convert sunlight into electricity for residential, commercial, and utility-scale power generation. The company was founded on Sep, 2009, and its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry.

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Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



Key Features

Monocrystalline modules designed for commercial and solar farm grid-tied applications

High power output and highest conversion efficiency of 16.25%

Anti-reflective and self-cleaning surface reduces power loss from dirt and dust

Outstanding performance in low-light irradiance environments

Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)

High salt and ammonia resistance certified by TUV NORD

Reliable Quality

- Positive power tolerance: 0-+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) free

Comprehensive Certificates

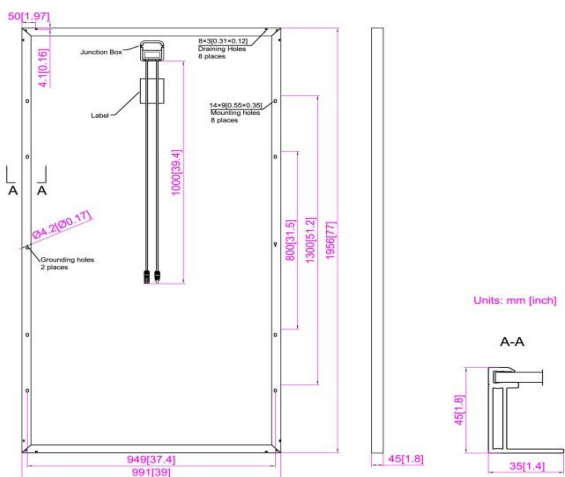
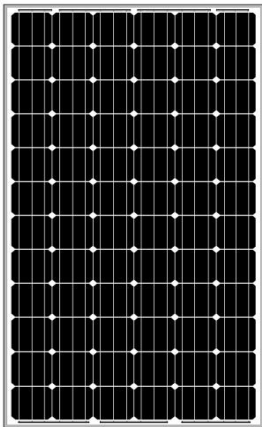
- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001:2008:Quality management systems
- ISO 14001:2004:Environmental management systems
- BS OHSAS 18001:2007:Occupational health and safety management systems



Specifications subject to technical changes and tests. Huawei Solar reserves the right of final interpretation.

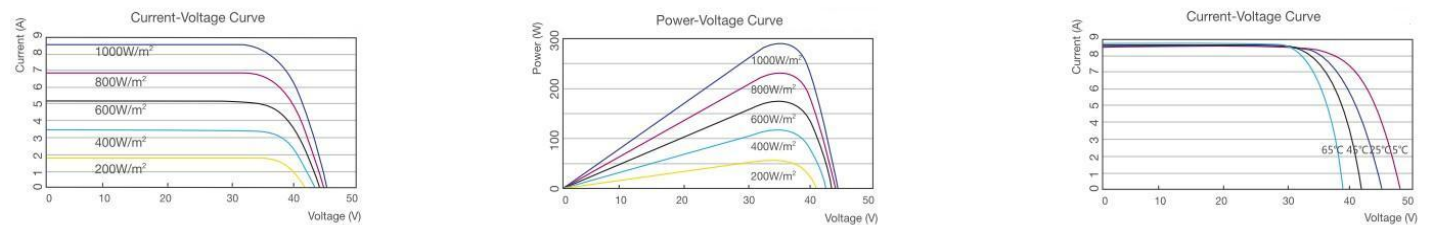
HWM672/290-325

Engineering Drawings



MECHANICAL PARAMETERS		WORKING CONDITIONS	
Cell (mm)	Mono 156 × 156	Maximum System Voltage	DC 1000V/600V/1000V
Weight (kg)	22.5 (approx.)	Operating Temperature	-40℃ ~ +85℃
Dimensions (L × W × H)(mm)	1956 × 991 × 45	Maximum Series Fuse	15A
No. of Cells and Connections	72(6 × 12)	Maximum Static Load, Front	5400Pa (112 lb/ft ²)
		Maximum Static Load, Back	2400Pa(50 lb/ft ²)
No. of Diodes	3or6(2 in parallel)	NOCT	45±2℃
Junction Box Connector	MC4 Compatible	Application Class	Class A
Packaging Configuration	22 Per Pallet		

I-V CURVE: (HWM6 72-290)



ELECTRICAL PARAMETERS								
TYPE	HWM6 72-290/SI	HWM6 72-295/SI	HWM6 72-300/SI	HWM6 72-305/SI	HWM6 72-310/SI	HWM6 72-315/SI	HWM6 72-320/SI	HWM6 72-325/SI
Rated Maximum Power at STC (W)	290	295	300	305	310	315	320	325
Open Circuit Voltage (Voc/V)	45.67	45.78	45.85	45.96	46.02	46.31	46.56	46.71
Maximum Power Voltage (Vmp/v)	36.76	36.93	37.09	37.15	37.22	37.33	37.43	37.53
Short Circuit Current (Isc/A)	8.52	8.56	8.6	8.65	8.71	8.78	8.81	8.86
Maximum Power Current (Imp/A)	7.89	7.99	8.09	8.21	8.33	8.44	8.55	8.66
Module Efficiency [%]	14.96	15.22	15.48	15.73	15.99	16.25	16.51	16.77
Power Tolerance (W)	-0~+5							
Temperature Coefficient of Isc	+0.049%/℃							
Temperature Coefficient of Voc	-0.340%/℃							
Temperature Coefficient of Pmax	-0.430%/℃							
STC	Irradiance 1000W/m ² , Module Temperature 25℃, Air Mass 1.5							

Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.