



Huawei Solar

HWP6

72/280-310/3BB

MULTICRYSTALLINE SILICON MODULE

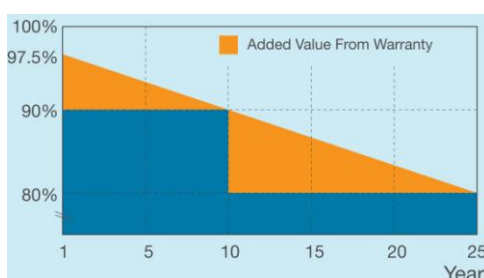
Hunan Huawei Solar Co., Ltd.

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

.....
Multicrystalline modules designed for commercial and solar farm grid-tied applications
.....

High output, 15.48% highest conversion efficiency
.....

Designed for UL 600V or ETL 1000V, IEC 1000V applications
.....

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

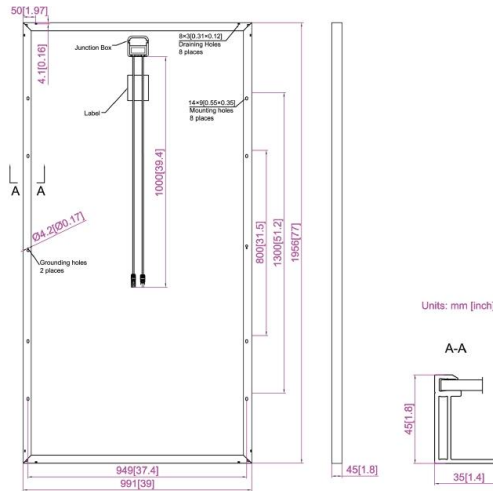
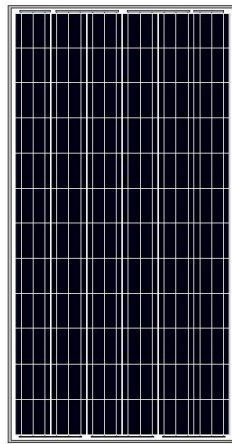
- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001:2008:Quality management systems
- ISO 14001:2004:Environmental management systems
- BS OHSAS 18001:2007:Occupational health and safety management systems



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

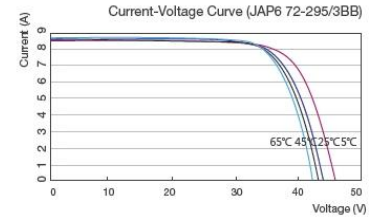
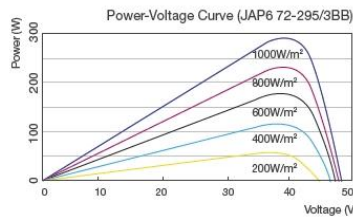
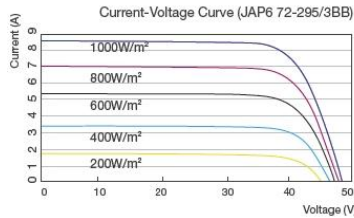
HWP6 72/280-310/3BB

Engineering Drawings



MECHANICAL PARAMETERS		WORKING CONDITIONS	
Cell (mm)	Poly 156 × 156	Maximum System Voltage	DC 1000V/600V/1000V
Weight (kg)	22.5 (approx.)	Operating Temperature	-40°C ~ +85°C
Dimensions (L × W × H)(mm)	1956 × 991 × 45	Maximum Series Fuse	15A
Cable Cross Section Size(mm ²)	4	Maximum Static Load, Front	5400Pa (112 lb/ft ²)
No. of Cells and Connections	72(6 × 12)	Maximum Static Load, Back	2400Pa(50 lb/ft ²)
No. of Diodes	3 or 6 (2 in parallel)	NOCT	47±2°C
Junction Box Connector	MC4 Compatible	Application Class	Class A
Packaging Configuration	22 Per Pallet		

I-V CURVE: (HWP6 72-295/3BB)



TYPE	ELECTRICAL PARAMETERS						
	HWP6 72-280/3BB	HWP6 72-285/3BB	HWP6 72-290/3BB	HWP6 72-295/3BB	HWP6 72-300/3BB	HWP6 72-305/3BB	HWP6 72-310/3BB
Rated Maximum Power at STC (W)	280	285	290	295	300	305	310
Open Circuit Voltage (Voc/V)	45.38	45.41	45.72	45.9	46.08	46.20	46.30
Maximum Power Voltage (Vmp/v)	35.99	36.08	36.39	36.60	36.82	36.97	37.04
Short Circuit Current (Isc/A)	8.29	8.38	8.42	8.48	8.53	8.60	8.69
Maximum Power Current (Imp/A)	7.78	7.90	7.97	8.06	8.15	8.25	8.37
Module Efficiency [%]	14.44	14.70	14.96	15.22	15.48	15.73	15.99
Power Tolerance (W)	-0~+5						
Temperature Coefficient of Isc	+0.062%/°C						
Temperature Coefficient of Voc	-0.330%/°C						
Temperature Coefficient of Pmax	-0.450%/°C						
STC	Irradiance 1000W/m ² , Module Temperature 25°C, 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.