

MONO-CRYSTALLINE HALF-CELL PV MODULE

Dahai Solar

Dahai Solar is a leading solar energy company with a current module capacity of 1 GW. By designing, manufacturing and providing efficient and economical ground-crystal solar photovoltaic modules, we provide our customers with the most outstanding photovoltaic products, system solutions and related services. Committed to creating maximum economic, social and human value for our customers, partners, investors and all stakeholders.



First-class warranty

- 💡 10 years product material and process warranty
- 💎 25-year linear power output warranty

Product Characteristics

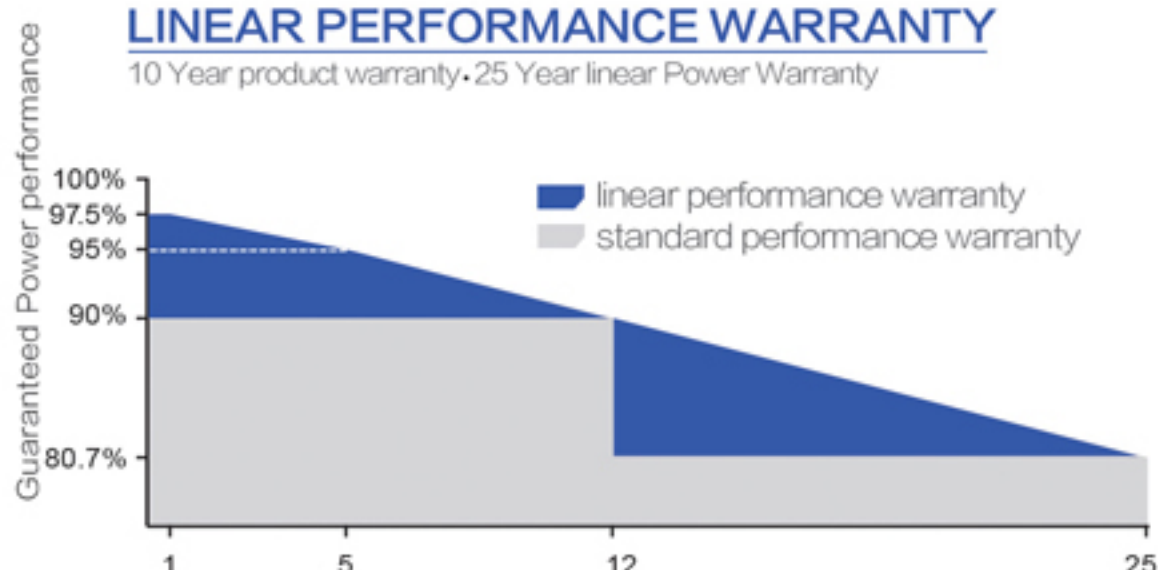
- 📈 **High Power Output.** Using a half-cut cells structure (reducing internal consumption in module), the output power is increased by more than 3% compared with standard one, and the output power of 60 cells poly-crystalline modules is up to 380W (the conversion efficiency is up to 19.2%).
- 🛡️ **The anti-PID Performance.** With the anti-PID authoritative test under the harsh conditions of the industry (85°C/85% RH, 96 hours), the attenuation rate caused by the PID phenomenon will be the lowest.
- 🔋 **5 BB Cells.** All upgraded to 5 BB cells, with stronger current collecting capability, power output is more stable.
- 🏠 **Mechanical Load.** It is certified by the wind load of 2400Pa on the back of the module and the snow load of 5400Pa on the front.
- ☀️ **Low-light Performance.** Excellent output performance under low light conditions.
- 🔍 **Low Light Decay.** The rigorous ATLAS steady-state illumination test ensures excellent photo-attenuation performance for each batch of modules.
- 🔧 **Strict EL Testing.** The spatial resolution is less than 0.5mm, and two or more EL tests before and after to ensure zero defects inside the module.
- 🏭 **Fully Automatic Assembly Production Line.** Ensuring 100% production online, 100% testing online to ensure product quality consistency.

- IEC 61215, IEC 61730
- TUV
- UL1703
- CQC
- CE
- JET
- ISO 9001: 2008
- ISO 14001:2004



LINEAR PERFORMANCE WARRANTY

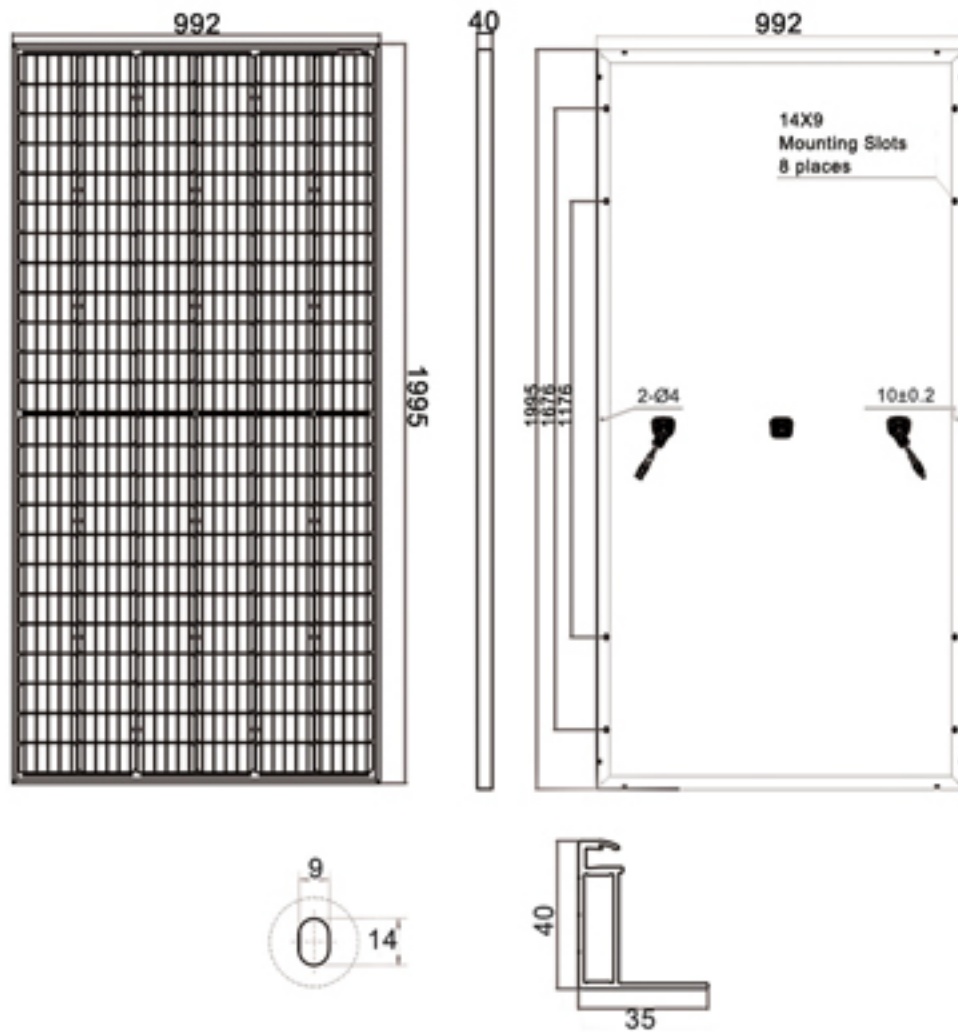
10 Year product warranty • 25 Year linear Power Warranty



Packing configuration

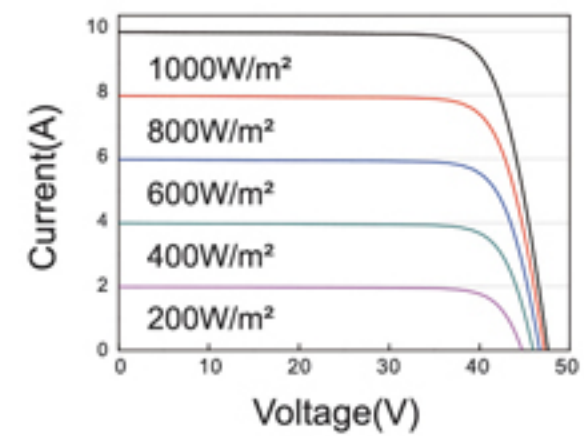
	1956 × 992 × 45mm		1956 × 992 × 40mm	
	20'GP	40'HQ	20'GP	40'HQ
Container	20'GP	40'HQ	20'GP	40'HQ
Pieces per Pallet	23	23	26	26
Pallets per Container	10	22	10	22
Pieces per Container	230	506	260	572

Engineering Drawings

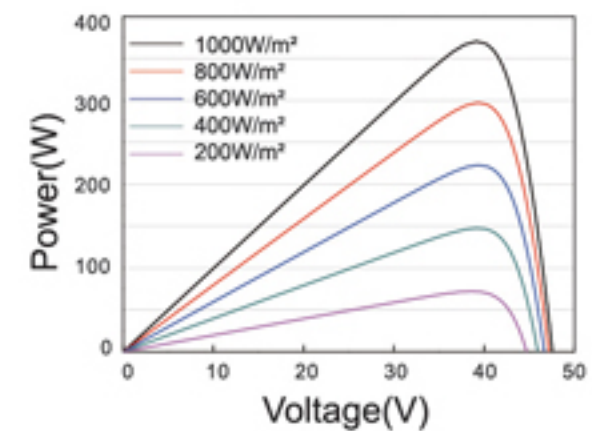


I-V Curve

Current-Voltage Curve DHM72H-370



Power-Voltage Curve DHM72H-370



Mechanical Data

Cell Type	Mono-crystalline 156.75x78.375mm
Weight	26.5kg
Dimensions	1995x992x40mm
No. of Half-cells	144(12x12)
No. of Diodes	3
Junction Box Connector	MC4 Compatible Connector
Packaging Configuration	26pcs/pallet
Cable Cross Section	4mm ²

Working Parameters

Maximum System Voltage	1000V (TUV)/1000V DC(UL)
Operating Temperature	-40°C~+85°C
Maximum Fuse Rated Current	15A
Maximum Static Load, Positive	5400Pa(112ib/ft ²)
Maximum Static Load, Back	2400Pa(50ib/ft ²)
Rated Cells Operating Temperature	45±2°C
Application Level	ClassA

Electrical Performance Parameter

Module Type	DHM72H-340	DHM72H-345	DHM72H-350	DHM72H-355	DHM72H-360	DHM72H-365	DHM72H-370	DHM72H-375	DHM72H-380
Maximum Power(Pmax)	340W	345W	350W	355W	360W	365W	370W	375W	380W
Maximum Power Voltage(Vmp)	38.8V	39.2V	39.3V	39.6V	39.8V	40.1V	40.4V	40.7V	41V
Maximum Power Current(Imp)	8.76A	8.8A	8.91A	8.96A	9.05A	9.10A	9.16A	9.21A	9.27A
Open-circuit Voltage (Voc)	47.5V	47.7V	47.9V	48.1V	48.3V	48.5V	48.7V	48.9V	49.1V
Short-circuit Current(Isc)	9.07A	9.15A	9.23A	9.28A	9.33A	9.38A	9.43A	9.48A	9.53A
Module Efficiency(%)	17.18%	17.43%	17.69%	17.94%	18.19%	18.44%	18.69%	18.95%	19.20%
Power Tolerance(W)	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5
Standard Test Environment	Radiation 1000W / m ² , Module Temperature 25°C, Spectrum AM1.5, According to EN60904-3								