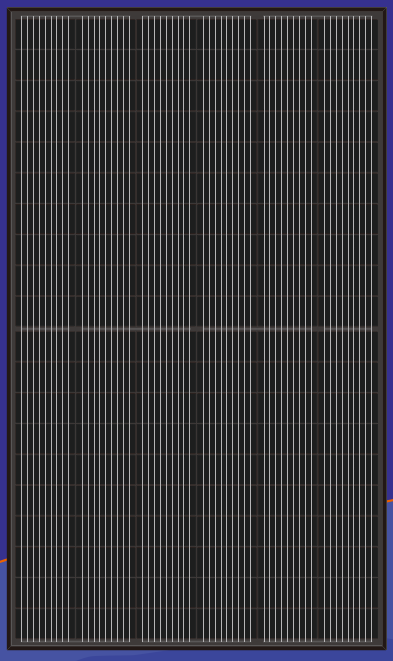
Half-Cell High Efficiency PV Module

9BB

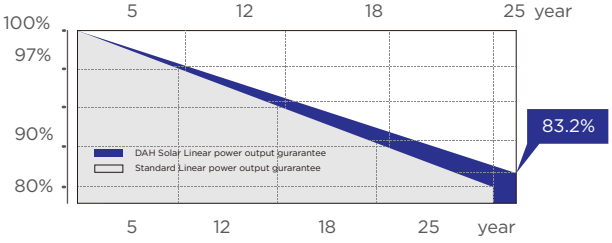
HCM60X9

325W-330W



QUALITY GUARANTEE

LINEAR POWER OUTPUT GUARANTEE



10 years 10-year material & technology warranty

25 years 25-year linear power output warranty

0~+5W	19.53%
Positive Tolerance	Max Module Eff.(%)

PRODUCT PERFORMANCE ADVANTAGE

- Excellent space utilization performance, increasing power density effectively and reducing costs
- Reducing the temperature of the solar module hot spot above 20°C , to ensure system stability and reliability
- Larger size of light receiving area, higher solar panel power, lower system cost
- Lower temperature coefficient, zero depth reflection increasing
- More busbars, the less of broken and cracking, as the narrowed cell bus bar width, the light receiving area and power are increased too
- Reducing the loss of current mismatch and resistance

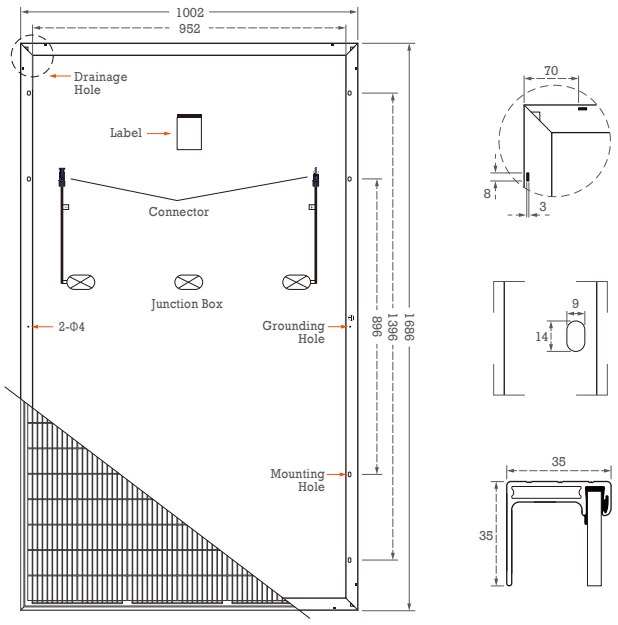
DAH Solar

Top Runner of Smart PV Module

Factory Address: No.358 Tianhe Road, Luyang Industrial Park, Hefei City, Anhui, China
Office Address: Floor 1-3, 6#A, Gongtou Xinglu Industrial Park, Hefei City, Anhui, China
Email: dhsolar@dh-solar.cn **Tel:** +86-551-65176633 **Web:** www.dahsolarpv.com

Half-Cell High Efficiency PV Module
HCM60X9 325W-330W

Design



Mechanical Specification

Cells Type	Mono 158.75×79.375mm
Weight	19kg
Dimension (L×W×T)	1686×1002×35mm
Cable	4.0mm²; Portrait: N 400mm /P 300mm, Landscape: N 1200mm /P 1200mm
No.of Cells	120 (6×20)
Glass	3.2 mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	QC4 or MC4 Compatible
Packing	30pcs/pallet, 360pcs/20GP, 845pcs/40HQ

Operating Parameters

Maximum system voltage	1000V/1500V DC
Operating Temperature	-40 ~ +85℃
Maximum series fuse rating	20A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45℃±2℃
Application level	Class A

Electrical Characteristics(STC)

Module Type	HCM60X9-325W	HCM60X9-330W
Maximum Power (Pmax)	325W	330W
Open-circuit Voltage (Voc)	41.2V	41.4V
Maximum Power Voltage (Vmp)	33.9V	34.2V
Short-circuit Current (Isc)	10.08A	10.14A
Maximum Power Current (Imp)	9.59A	9.65A
Module Efficiency (%)	19.24%	19.53%
Power Tolerance	0~+5W	
Temperature Coeffcient of Isc	0.05%/℃	
Temperature Coeffcient of Voc	-0.29%/℃	
Temperature Coeffcient of Pmax	-0.37%/℃	
Standard Test Environment	Irradiance 1000w/m², Cell temperature 25℃, Spectrum AM1.5	

Electrical Characteristics(NOCT)

Module Type	HCM60X9-325W	HCM60X9-330W
Maximum Power(Pmax)	245W	249W
Open-circuit Voltage(Voc)	39.4V	39.7V
Maximum Power Voltage(Vmp)	32.1V	32.4V
Short-circuit Current(Isc)	8.11A	8.18A
Maximum Power Current(Imp)	7.63A	7.69A
Standard Test Environment	Irradiance 800w/m², Cell temperature 20℃, Spectrum AM1.5, Wind speed 1m/s	

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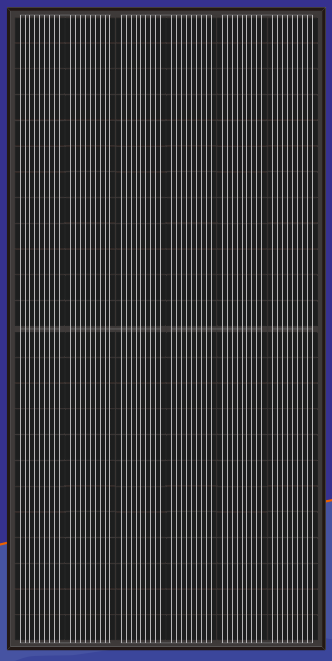
Half-Cell High Efficiency PV Module

9BB

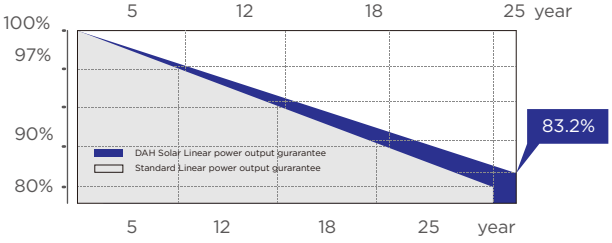
HCM72X9

395W-400W



QUALITY GUARANTEE

LINEAR POWER OUTPUT GUARANTEE



10 years 10-year material & technology warranty

25 years 25-year linear power output warranty

0~+5W	19.87%
Positive Tolerance	Max Module Eff.(%)

PRODUCT PERFORMANCE ADVANTAGE

- Excellent space utilization performance, increasing power density effectively and reducing costs
- Reducing the temperature of the solar module hot spot above 20°C , to ensure system stability and reliability
- Larger size of light receiving area, higher solar panel power, lower system cost
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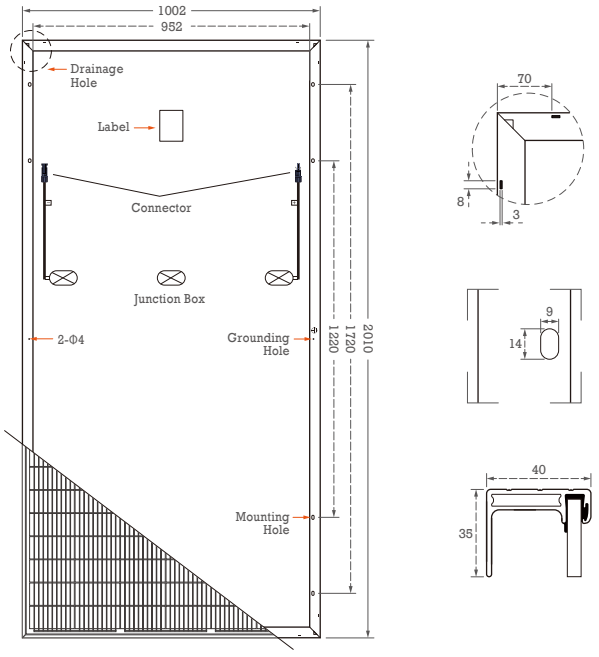
Half-Cell High Efficiency PV Module
HCM72X9 395W-400W

Design



Mechanical Specification

Cells Type	Mono 158.75×79.375mm
Weight	23kg
Dimension (L×W×T)	2010×1002×40mm
Cable	4.0mm²; Portrait: N 400mm /P 300mm, Landscape: N 1400mm /P 1400mm
No.of Cells	144 (6×24)
Glass	3.2 mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	QC4 or MC4 Compatible
Packing	27pcs/pallet, 270pcs/20GP, 638pcs/40HQ

Operating Parameters

Maximum system voltage	1000V/1500V DC
Operating Temperature	-40 ~ +85℃
Maximum series fuse rating	20A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45℃±2℃
Application level	Class A

Electrical Characteristics(STC)

Module Type	HCM72X9-395W	HCM72X9-400W
Maximum Power (Pmax)	395W	400W
Open-circuit Voltage (Voc)	49.4V	49.6V
Maximum Power Voltage (Vmp)	41.5V	41.8V
Short-circuit Current (Isc)	10.12A	10.16A
Maximum Power Current (Imp)	9.52A	9.57A
Module Efficiency (%)	19.62%	19.87%
Power Tolerance	0~+5W	
Temperature Coeffcient of Isc	0.05%/℃	
Temperature Coeffcient of Voc	-0.29%/℃	
Temperature Coeffcient of Pmax	-0.37%/℃	
Standard Test Environment	Irradiance 1000w/m², Cell temperature 25℃, Spectrum AM1.5	

Electrical Characteristics(NOCT)

Module Type	HCM72X9-395W	HCM72X9-400W
Maximum Power (Pmax)	298W	302W
Open-circuit Voltage (Voc)	47.1V	47.3V
Maximum Power Voltage (Vmp)	39.3V	39.6V
Short-circuit Current (Isc)	8.16A	8.19A
Maximum Power Current (Imp)	7.57A	7.62A
Standard Test Environment	Irradiance 800w/m², Cell temperature 20℃, Spectrum AM1.5, Wind speed 1m/s	

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