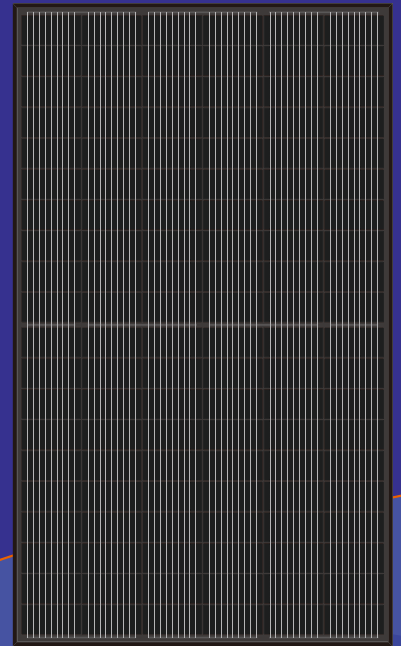


Half-Cell High Efficiency PV Module

9BB

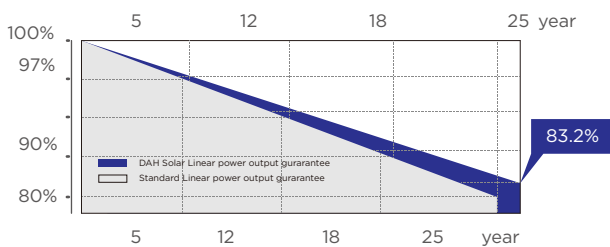
HCM60X9

325W-330W



QUALITY GUARANTEE

LINEAR POWER OUTPUT GUARANTEE









12 years 12-year material & technology warranty

25 years 25-year linear power output warranty

0~+5W
Positive Tolerance

19.53%
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



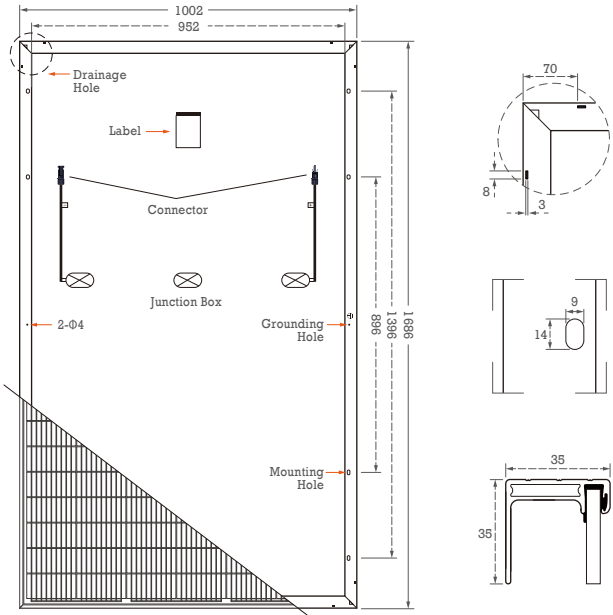
Top Runner of Smart PV Module

**SMART
SOLAR
SYSTEM**

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	4.0mm ² ; 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°C
Maximum series fuse rating	20A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45°C±2°C
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 Coefficient of Isc	0.05%/°C	
Temperature Coefficient of Voc	-0.29%/°C	
Temperature Coefficient of Pmax	-0.37%/°C	
Standard Test Environment	Irradiance 1000w/m ² , Cell temperature 25°C, 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/m ² , Cell temperature 20°C, Spectrum AM1.5, Wind speed 1m/s	