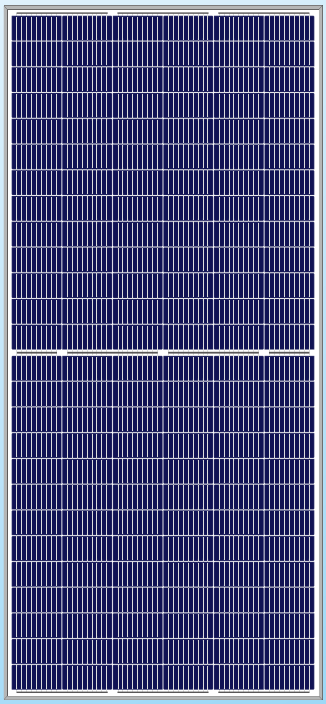
poly HCP78X9

395~400W

Half-Cell
High Efficiency
PV Module

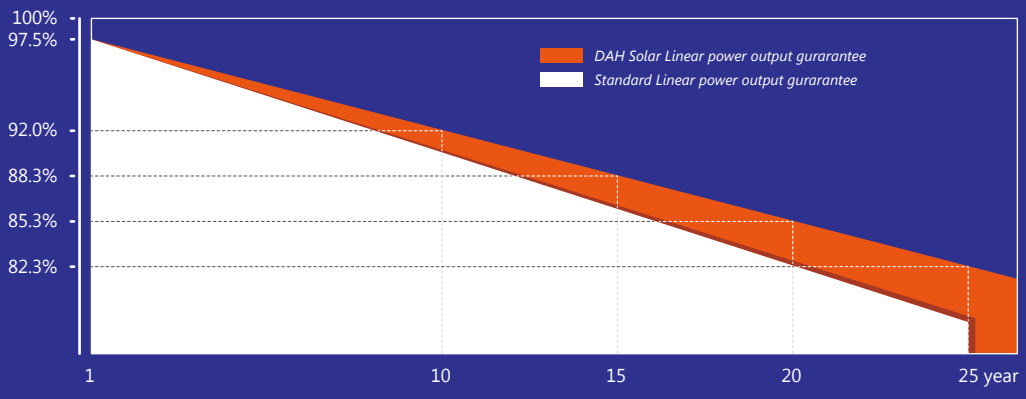


HIGH EFF.

HALF CELL

Quality Guarantee

12-year material & technology warranty
25-year linear power output warranty



18.38%
Max Module Eff.

0~+5W
Positive Tolerance

Performance Advantage

> **More Busbars**, the Less of Broken and cracking, As the Narrowed Cell Bus Bar Width, the Light Receiving Area and Power are Increased too.
> **Half-Cell technology and back passivation technology**, excellent photoelectric conversion efficiency.
> **Excellent low-light power generation performance**, even if it is half blocked, there is still 50% power output.
> **Series-parallel combined circuit design**, higher output power than conventional PERC.

DAH Solar
— Top Runner of Smart PV Module —

Factory: No.358 Tianhe Road, Luyang Industrial Park, Hefei City, Anhui, China
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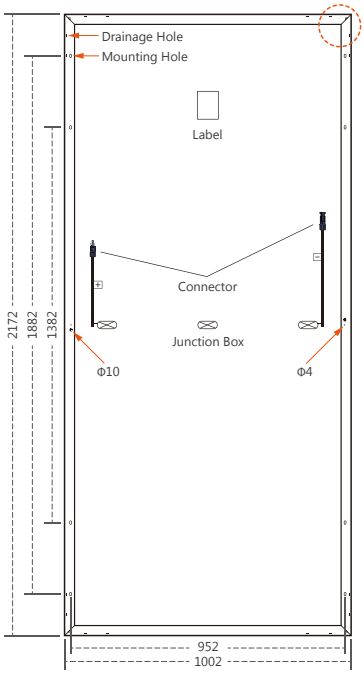
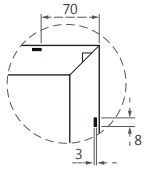
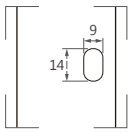
poly

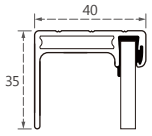
Half-Cell High Efficiency PV Module HCP78X9 **395~400W**

Design









Mechanical Specification

Cells Type	Poly 158.75×79.375mm
Weight	24.8kg
Dimension (L×W×T)	2172×1002×40mm
Cable	4.0mm²; Portrait: N 400mm/P 300mm, (Cable length can be customized)
No.of Cells	156(6×26)
Glass	3.2 mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	QC4 or MC4 Compatible
Packing	27pcs/pallet, 270pcs/20GP, 580pcs/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	HCP78X9-395W	HCP78X9-400W
Maximum Power (Pmax)	395W	400W
Open-circuit Voltage (Voc)	51.3V	51.6V
Maximum Power Voltage (Vmp)	41.8V	42.0V
Short-circuit Current (Isc)	9.87A	9.95A
Maximum Power Current (Imp)	9.45A	9.53A
Module Efficiency (%)	18.15%	18.38%

Power Tolerance	0~+5W
Temperature Coeffcient of Isc	0.05%/℃
Temperature Coeffcient of Voc	-0.31%/℃
Temperature Coeffcient of Pmax	-0.38%/℃
Standard Test Environment	Irradiance 1000w/m², Cell temperature 25℃, Spectrum AM1.5

Electrical Characteristics(NOCT)

Module Type	HCP78X9-395W	HCP78X9-400W
Maximum Power (Pmax)	298W	302W
Open-circuit Voltage (Voc)	48.3V	48.5V
Maximum Power Voltage (Vmp)	39.5V	39.7V
Short-circuit Current (Isc)	8.03A	8.11A
Maximum Power Current (Imp)	7.55A	7.61A
Standard Test Environment	Irradiance 800w/m², Cell temperature 20℃, Spectrum AM1.5, Wind speed 1m/s	

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