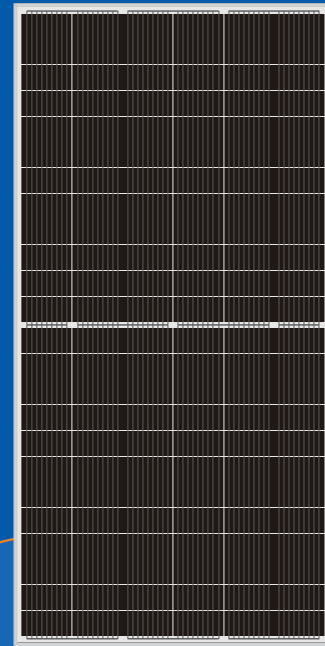


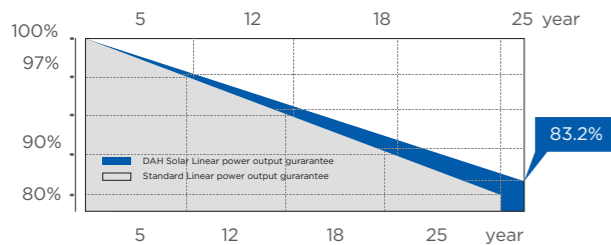
Half-Cell High Efficiency PV Module

158.75mm
HCM72
395W-410W



QUALITY GUARANTEE

LINEAR POWER OUTPUT GUARANTEE



10 years 10-year material & technology warranty

25 years 25-year linear power output warranty

0~+5W

Positive Tolerance

20.36%

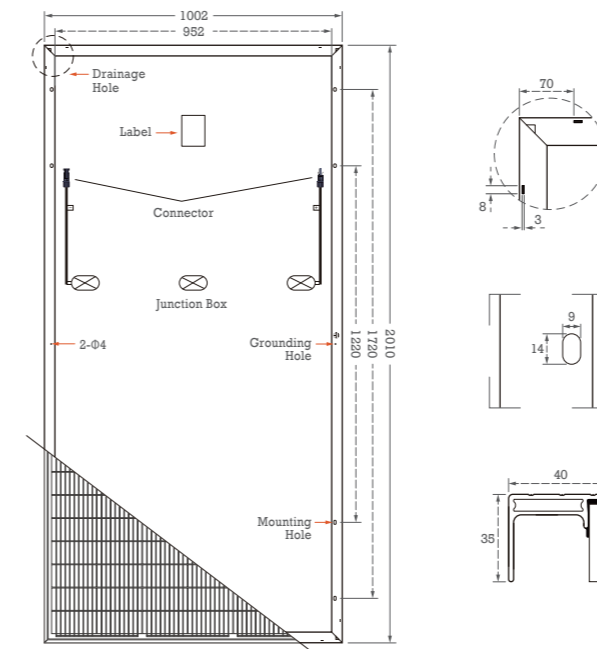
Max Module Eff.(%)

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

Half-Cell High Efficiency PV Module HCM72 395W-410W

Design



Mechanical Specification

Cells Type	Mono 158.75×79.375mm
Weight	23kg
Dimension (L×W×T)	2010×1002×40mm
Cable	4.0mm ² ; 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°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	HCM72-395W	HCM72-400W	HCM72-405W	HCM72-410W
Maximum Power (Pmax)	395W	400W	405W	410W
Open-circuit Voltage (Voc)	49.4V	49.6V	49.8V	50.0V
Maximum Power Voltage (Vmp)	41.5V	41.8V	42.1V	42.3V
Short-circuit Current (Isc)	10.12A	10.16A	10.21A	10.25A
Maximum Power Current (Imp)	9.52A	9.57A	9.62A	9.70A
Module Efficiency (%)	19.62%	19.87%	20.11%	20.36%
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	HCM72-395W	HCM72-400W	HCM72-405W	HCM72-410W
Maximum Power (Pmax)	298W	302W	305W	309W
Open-circuit Voltage (Voc)	47.1V	47.3V	47.5V	47.7V
Maximum Power Voltage (Vmp)	39.3V	39.6V	39.9V	40.2V
Short-circuit Current (Isc)	8.16A	8.19A	8.23A	8.27A
Maximum Power Current (Imp)	7.57A	7.62A	7.65A	7.69A
Standard Test Environment	Irradiance 800w/m ² , Cell temperature 20°C, Spectrum AM1.5, Wind speed 1m/s			