

HITOUCH 4-HJT

PRODUCTS

CP17-72HT

POWER RANGE

460-480W



Higher Power Output

- Higher module conversion efficiency benefit from bigger wafer 166mm, half-cell structure, and HJT Technology
- MBB(busbar) technology enhance stronger current collection with lower series resistance.
- Reduce losses of current mismatch.



Excellent Temperature Coefficient

- Higher power yield with lower operating temperature coefficient.
- Enables better output in hot weather conditions.
- Better performance in weak light conditions.



Higher reliability

- Positive loading 5400 Pa on front side and 2400 Pa loading on back side.
- Split-type junction box design to guarantee reliability and safety during project operation.
- Excellent anti-PID performance to guarantee safe and reliable operation in extreme weather condition.



Lower Hot Spot and Crack Risk

- Reduce hot-spot risk with optimized electrical design and lower operating current.
- crack risk limitation with help of MBB solar cell design.
- Better anti-shading performance.

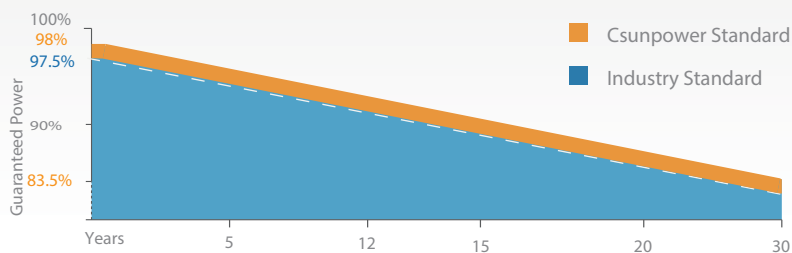


Bifacial value-added

- Extra power output up to 30% from rear side generation.
- 12years mechanical guarantee, 30years power output warrantee.
- Elegant visual appearance and application scenarios.

Performance Warranty

12 Year Product Warranty · 30 Year Power Warranty



From the 2nd year to the 30th year, the average annual power decline will be no more than 0.5%.

BIFACIAL

ADDITIONAL POWER BENEFIT

MBB

MULTIPLE BUSBAR TECHNOLOGY

22.1%

MAXIMUM EFFICIENCY

MONO HJT

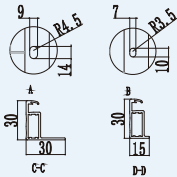
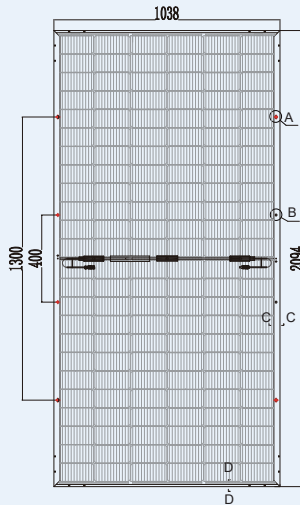
MOST ADVANCED TECHNOLOGY

Founded in 2004, CSUNPOWER(CP) is one of the leading comprehensive solar energy solution providers in the world. We are specialized in high efficient solar module research, manufacturing and distribution as well as solar project development, EPC and O&M business. Till the end of 2020, we accumulatively distributed more than 10GW solar modules to 50countries, developed and built 500MW+ solar projects in Asia Pacific region.

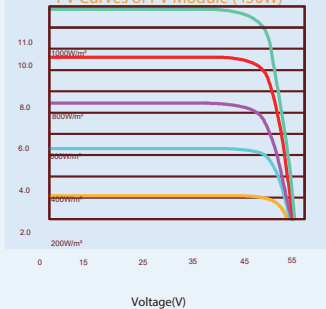
Comprehensive Products and System Certificates



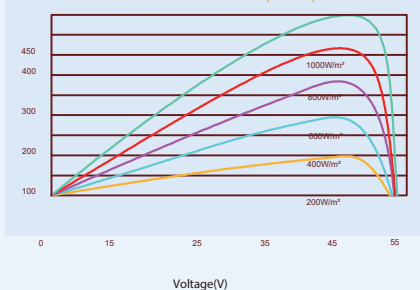
DIMENSIONS OF PV MODULE(mm)



I-V Curves of PV Module (450W)



P-V Curves of PV Module (450W)



Electrical performance (STC)

Maximum Power (Pmax)	460	465	470	475	480
Maximum Power Voltage (Vmp)	45.24	45.44	45.66	45.86	46.08
Maximum Power Current (Imp)	10.18	10.24	10.30	10.36	10.43
Open-circuit Voltage (Voc)	53.22	53.35	53.48	53.61	53.74
Short-circuit Current (Isc)	10.58	10.64	10.70	10.76	10.82
Module Efficiency(%)	21.2%	21.4%	21.6%	21.9%	22.1%

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

*Measuring tolerance: ±3%.

ELECTRICAL DATA (NMOT)

Maximum Power (Pmax)	343	348	351	354	359
Maximum Power Voltage (Vmp)	41.89	41.96	42.02	42.09	42.17
Maximum Power Current (Imp)	8.24	8.30	8.37	8.43	8.50
Open-circuit Voltage (Voc)	49.87	49.92	49.99	50.05	50.10
Short-circuit Current (Isc)	8.70	8.74	8.77	8.81	8.86

NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline HJT 166*83 mm
Cell Orientation	144 [2 x (12 x 6)]
Module Dimensions	2094*1038*30mm
Weight	26.5kg
Glass - Glass	2.0mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	POE/EVA
Load	5400 Pa Front Load, 2400 Pa Rear Load
Frame	30 mm (1.38 inches) Anodized Aluminium Alloy
J-Box	IP68
Output Cables (including Connector)	4.0mm ² (0.006 inches ²), Length: 300mm, length can be customized
Connector	MC4/MC4 Compatible

TEMPERATURE RATINGS

NMOT (Nominal Module Operating Temperature)	44 °C (±2 °C)
Temperature Coefficient of Pmax	-0.26%/ °C
Temperature Coefficient of Voc	-0.24%/ °C
Temperature Coefficient of Isc	+0.04%/ °C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

MAXIMUM RATINGS

Operational Temperature	-40~+85 °C
Maximum System Voltage	1500V DC (IEC)
Rating Power Sorting	0~+5W
Maximum rated current series	25A

WARRANTY & CERTIFICATIONS

12 year Product Workmanship Warranty
30 year Power Warranty
IEC 61215, IEC 61730 Safety
Class A Fire Rating

PACKAGING CONFIGURATION

Modules per box: 35 pieces
Container per 40HC : 770 pcs, 22 pallets
Container per 20FT: 350 pcs, 10 pallets