

HT66-210(ND)-F

Double Glass TOPCon PV Module

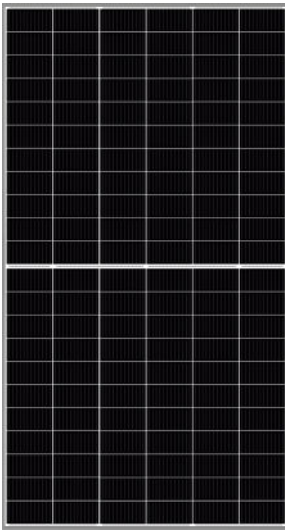
HIGH High power

Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
Website: www.ht-saae.com
E-mail: pvmarketing@ht-saae.com



Factory:
Lianyungang Shenzhou New Energy CO., Ltd.

685W/690W
695W/700W/705W



- Module Efficiency: 22.7%
- No. of Cells 132(6×22)
- Weight 38.5(±0.5)kg
- Dimensions 2384×1303×35mm
- Monocrystalline 210×105mm
- Bifaciality 80(±5)%



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Half cut cell technology can reduce the internal power loss and improve module overall power. Excellent heat dissipation avoids hot spot production.

TOPCon

Double glass, The optimized number and width of main gate lines, Maximize the light receiving area of modules and Reduce module power consumption.



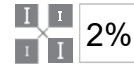
Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs

15Ys

Products warranty

30Ys

Warranty on power output



All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

EL

Microcrack resistant Double glass structure enhance reliability, double EL tested of high quality control.

0~+3%

Positive tolerance 0/+3% guaranteed



Entire module certified to with stand extreme wind(2400 Pa) and snow loads (5400 Pa)

Anti PID

PID resistant

Comprehensive and first-rate certification system

IEC 61215:2016. IEC 61730:2016 Latest Standard
ISO 9001, ISO 14001 and ISO 45001,
meeting the highest international standards
Strict quality control

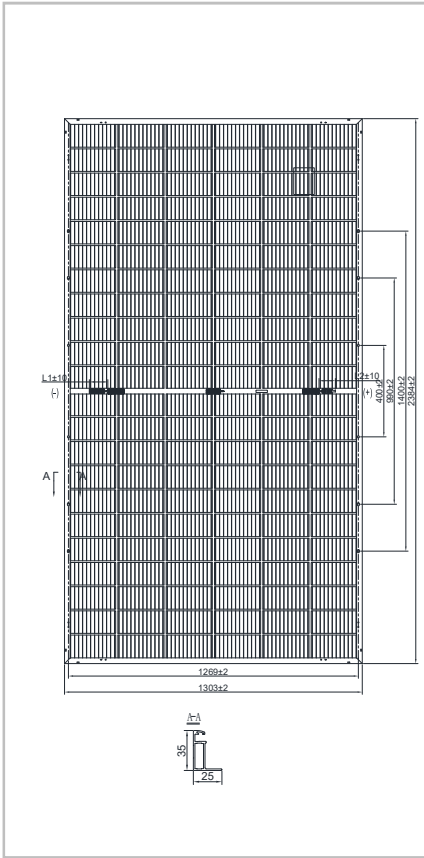


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Better Choice For Higher Efficiency!

HT66-210(ND)-F

685W/690W/695W/700W/705W



Electrical Characteristics (STC)

Module Type	HT66-210(ND)-F				
Maximum Power(Pmax)	685W	690W	695W	700W	705W
Open Circuit Voltage(Voc)	47.2V	47.4V	47.6V	47.8V	48.0V
Short Circuit Current(Isc)	18.25A	18.29A	18.33A	18.37A	18.41A
Maximum Power Voltage(Vmp)	40.3V	40.5V	40.7V	40.9V	41.1V
Maximum Power Current(Imp)	17.00A	17.04A	17.08A	17.12A	17.16A
Module Efficiency	22.1%	22.2%	22.4%	22.5%	22.7%
Power Tolerance	0 ~ +3%				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	35A				
Operating Temperature	-40°C to +85°C				

* STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

Electrical Characteristics (NMOT)

Module Type	HT66-210(ND)-F				
Maximum Power(Pmax)	521W	525W	528W	532W	536W
Open Circuit Voltage(Voc)	45.3V	45.5V	45.7V	45.9V	46.1V
Short Circuit Current(Isc)	14.71A	14.74A	14.77A	14.80A	14.84A
Maximum Power Voltage(Vmp)	38.7V	38.9V	39.1V	39.3V	39.5V
Maximum Power Current(Imp)	13.46A	13.50A	13.50A	13.54A	13.57A

* NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Bifacial output-rearside power gain

5%	Maximum Power(Pmax)	719W	724W	729W	735W	740W
	Module Efficiency	23.1%	23.3%	23.5%	23.7%	23.8%
15%	Maximum Power(Pmax)	787W	793W	799W	805W	810W
	Module Efficiency	25.3%	25.5%	25.7%	25.9%	26.1%
25%	Maximum Power(Pmax)	858W	864W	871W	877W	883W
	Module Efficiency	27.6%	27.8%	28.0%	28.2%	28.4%

Nominal Module Operating Temperature(NMOT) 43±2°C

Temperature Coefficient of Pmax γ (Pm) -0.31%/°C

Temperature Coefficient of Voc β (Voc) -0.25%/°C

Temperature Coefficient of Isc α (Isc) 0.046%/°C

Solar Cells Monocrystalline 210× 105mm

No. of Cells 132 (6×22)

Dimensions 2384×1303×35mm

Weight 38.5(±0.5)kg

Glass (Front /Back) High transmission coated tempered glass/Heat strengthened glass

Frame Anodized aluminum alloy

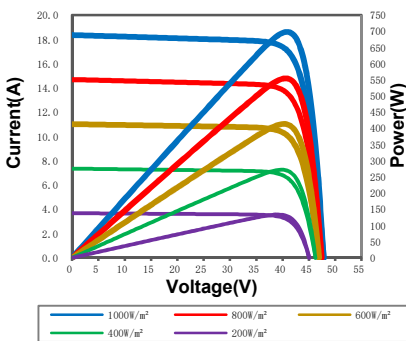
Junction Box IP68

Cable 4mm² (IEC) Length: (+) 400mm, (-) 300mm or customized

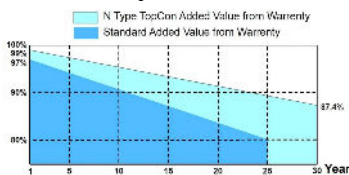
Connectors MC4 / MC4 Compatible

Packaging Configuration 31 pcs/box: 558 pcs/ 40' HQ Container

IV Curves



Warranty



15-year product warranty*

30-year warranty on power output*

* Specific information is referred to the product quality guarantee

*The module recycling should be carried out by the professional institutions at the end of module life cycle

*Copyright@2023V1 Specifications are subject to change without further notification

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