HT-SAAE.PV

Reliable State - Owned Enterprise Deliver Solar Power Since 1960s

HT66-210(ND)-F

Double Glass TOPCon PV Module

HIGH High power

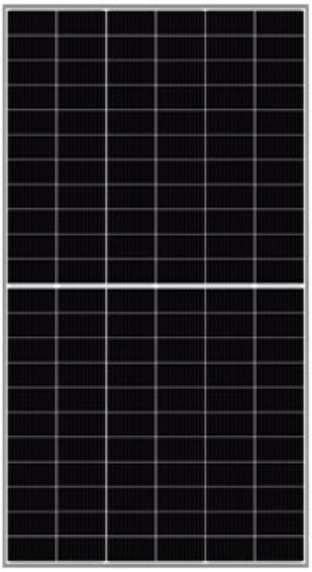
Shanghai Aerospace Automobile Electromechanical Co., Ltd.
Website：www.ht-saae.com
E-mail：pvmarketing@ht-saae.com

Factory:
Lianyungang Shenzhou New Energy CO., Ltd.

695W/700W

705W/710W/715W

MULTIWAY+



- Module Efficiency: 23.0%
- No. of Cells 132(6×22)
- Weight 38.5(±0.5)kg
- Dimensions 2384×1303×35mm
- Bifaciality 80(±5)%

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

15Ys

Products warranty

30Ys

Warranty on power output

EL

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

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

TOPCon

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

1500V

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

2%

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

0~+3%

Positive tolerance 0~+3% guaranteed

Anti **PID**

PID resistant

Comprehensive and first-rate certification system

IEC 61215, IEC 61730 Latest Standard
SA 8000,ISO 9001,ISO 14001 and ISO 45001 meeting the highest international standards
Strict quality control

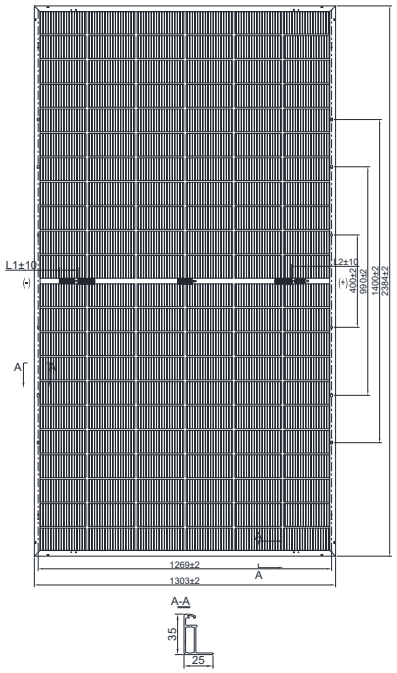
FSC optional

MULTIWAY+

Better Choice For Higher Efficiency!

HT66-210(ND)-F

695W/700W/705W/710W/715W



Electrical Characteristics (STC)

Module Type	HT66-210(ND)-F				
Maximum Power(Pmax)	695W	700W	705W	710W	715W
Open Circuit Voltage(Voc)	47.6V	47.8V	48.0V	48.2V	48.4V
Short Circuit Current(Isc)	18.33A	18.37A	18.41A	18.45A	18.49A
Maximum Power Voltage(Vmp)	40.7V	40.9V	41.1V	41.3V	41.5V
Maximum Power Current(Imp)	17.08A	17.12A	17.16A	17.20A	17.24A
Module Efficiency	22.4%	22.5%	22.7%	22.9%	23.0%
Power Tolerance	0 ~ +3%				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	35A				
Operating Temperature	-40℃ to +85℃				

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

Electrical Characteristics (NMOT)

Module Type	HT66-210(ND)-F				
Maximum Power(Pmax)	528W	532W	536W	540W	544W
Open Circuit Voltage(Voc)	45.7V	45.9V	46.1V	46.3V	46.5V
Short Circuit Current(Isc)	14.77A	14.80A	14.84A	14.87A	14.90A
Maximum Power Voltage(Vmp)	39.1V	39.3V	39.5V	39.6V	39.8V
Maximum Power Current(Imp)	13.50A	13.54A	13.57A	13.64A	13.67A

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

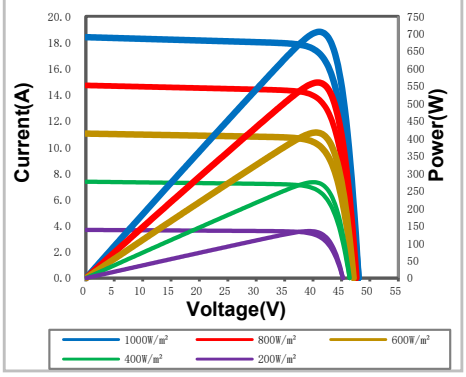
Bifacial output-rearside power gain

5%	Maximum Power(Pmax)	730W	735W	740W	746W	751W
	Module Efficiency	23.5%	23.7%	23.8%	24.0%	24.2%
15%	Maximum Power(Pmax)	799W	805W	811W	817W	822W
	Module Efficiency	25.7%	25.9%	26.1%	26.3%	26.5%
25%	Maximum Power(Pmax)	869W	875W	881W	888W	894W
	Module Efficiency	28.0%	28.2%	28.4%	28.6%	28.8%

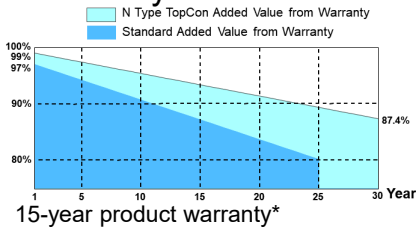
Nominal Module Operating Temperature(NMOT)		43±2℃
Temperature Coefficient of Pmax	γ (Pm)	-0.29%/℃
Temperature Coefficient of Voc	β (Voc)	-0.25%/℃
Temperature Coefficient of Isc	α (Isc)	0.046%/℃

Solar Cells	Monocrystalline
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