

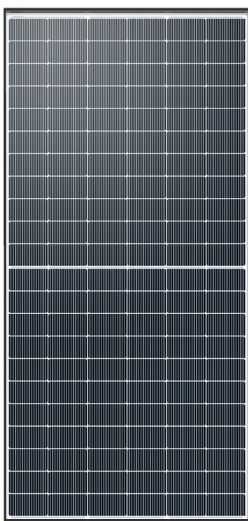
HT66-210R(ND)-F

Double Glass TOPCon PV Module

HIGH

High power

610W/615W
620W/625W/630W



- Module Efficiency: 23.3%
- No. of Cells 132(6×22)
- Weight 33.5(±0.5)kg
- Dimensions 2382×1134×30mm
- Bifaciality 80(±5)%



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



Factory:
Lianyungang Shenzhou New Energy CO., Ltd.



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



Electrical Characteristics (STC)

Module Type	HT66-210R(ND)-F				
Maximum Power(Pmax)	610W	615W	620W	625W	630W
Open Circuit Voltage(Voc)	48.74V	48.93V	49.12V	49.31V	49.50V
Short Circuit Current(Isc)	16.00A	16.05A	16.10A	16.15A	16.20A
Maximum Power Voltage(Vmp)	40.15V	40.34V	40.53V	40.72V	40.91V
Maximum Power Current(Imp)	15.20A	15.25A	15.30A	15.35A	15.40A
Module Efficiency	22.6%	22.8%	23.0%	23.1%	23.3%
Power Tolerance	0 ~ +3%				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	30A				
Operating Temperature	-40°C to +85°C				

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

Electrical Characteristics (NMOT)

Module Type	HT66-210R(ND)-F				
Maximum Power(Pmax)	463W	466W	470W	474W	478W
Open Circuit Voltage(Voc)	46.55V	46.73V	46.91V	47.09V	47.27V
Short Circuit Current(Isc)	12.91A	12.95A	12.99A	13.03A	13.07A
Maximum Power Voltage(Vmp)	38.34V	38.52V	38.71V	38.89V	39.07V
Maximum Power Current(Imp)	12.08A	12.10A	12.14A	12.19A	12.23A

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

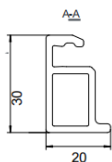
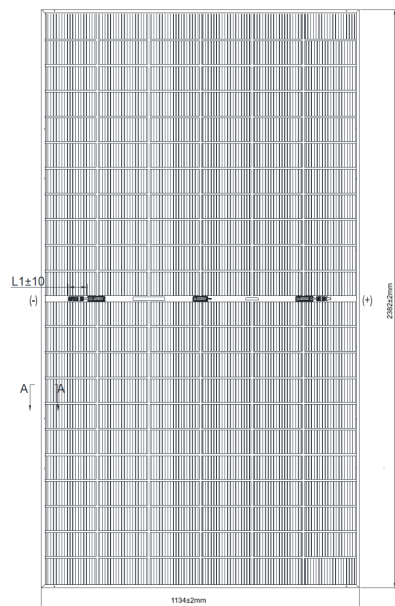
Bifacial output-rearside power gain

5%	Maximum Power(Pmax)	641W	646W	651W	656W	662W
	Module Efficiency	23.7%	23.9%	24.1%	24.3%	24.5%
15%	Maximum Power(Pmax)	702W	707W	713W	719W	725W
	Module Efficiency	26.0%	26.2%	26.4%	26.6%	26.8%
25%	Maximum Power(Pmax)	763W	769W	775W	781W	788W
	Module Efficiency	28.2%	28.5%	28.7%	28.9%	29.2%

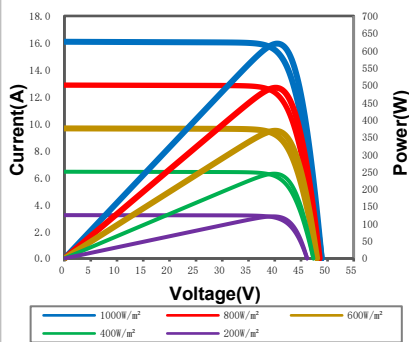
Nominal Module Operating Temperature(NMOT) 43±2°C

Temperature Coefficient of Pmax	γ (Pm)	-0.29%/°C
Temperature Coefficient of Voc	β (Voc)	-0.25%/°C
Temperature Coefficient of Isc	α (Isc)	0.046%/°C

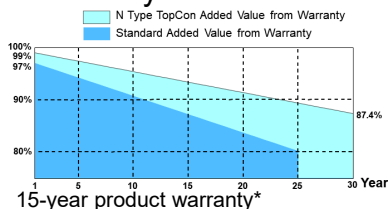
Solar Cells	Monocrystalline
No. of Cells	132 (6×22)
Dimensions	2382×1134×30mm
Weight	33.5(±0.5) kg
Glass (Front /Back)	High transmission coated tempered glass/Heat strengthened glass
Frame	High Molecular Frame
Junction Box	IP68
Cable	4mm² (IEC) Length: (+) 200mm, (-) 300mm or customized
Connectors	MC4 / MC4 Compatible
Packaging Configuration	36 pcs/box: 720 pcs/ 40' HQ Container



IV Curves



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©2025V2 Specifications are subject to change without further notification