

HT66-210(ND)- F

Double Glass TOPCon PV Module

HIGH High power

HT66-210(ND)- F-XXX

XXX=Pmax at STC 705W/710W/715W/720W/725W



- Module Efficiency: 23.3%
- No. of Cells 132(6×22)
- Weight 38.5(±0.5)kg
- Dimensions 2384×1303×33mm
- Bifaciality 80(±5)%

Lianyungang Shenzhou New Energy CO., Ltd.
Made in China

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

15/30YsProduct warranty
15Yrs for ground mounted
30Yrs for rooftop**30Ys**Warranty on power output
(front side)**EL**

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



Design load (positive
/negative):3600Pa/1600Pa
Safety factors:1.5

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%

Power Binning range 0~+3%

Anti PID

PID resistant

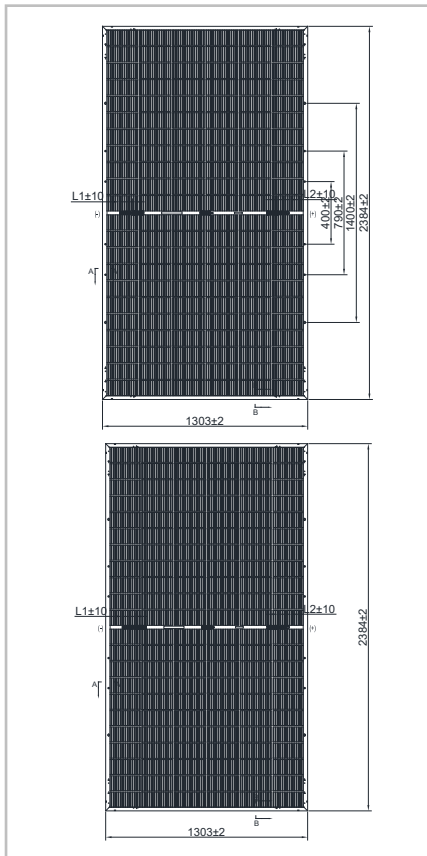
**Comprehensive and first-rate
certification system**

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



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Electrical Characteristics (STC)

Module Type	HT66-210(ND)-F				
Maximum Power(Pmax)	705W	710W	715W	720W	725W
Open Circuit Voltage(Voc)	48.45V	48.64V	48.83V	49.02V	49.21V
Short Circuit Current(Isc)	18.36A	18.39A	18.42A	18.45A	18.48A
Maximum Power Voltage(Vmp)	40.55V	40.72V	40.89V	41.06V	41.23V
Maximum Power Current(Impp)	17.40A	17.45A	17.50A	17.55A	17.60A
Module Efficiency	22.7%	22.9%	23.0%	23.2%	23.3%
Isc(BSI)	22.77A	22.80A	22.84A	22.88A	22.92A
Power/Voc/Isc	±3%/±5%/±5%				
Measurement Tolerances	±3%/±5%/±5%				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	35A				
Operating Temperature	-40~70℃, Module[T98] max :70℃				

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

Electrical Characteristics (NMOT)

Module Type	HT66-210(ND)-F				
Maximum Power(Pmax)	535W	538W	542W	546W	550W
Open Circuit Voltage(Voc)	46.27V	46.45V	46.63V	46.81V	47.00V
Short Circuit Current(Isc)	14.81A	14.83A	14.86A	14.88A	14.91A
Maximum Power Voltage(Vmp)	38.73V	38.89V	39.05V	39.21V	39.37V
Maximum Power Current(Impp)	13.81A	13.83A	13.88A	13.93A	13.97A

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

Electrical ratings at irradiance level at BNPI

Rated Voc at BNPI [V] / tolerance ±5%	48.43	48.62	48.81	49	49.19
Rated Isc at BNPI [A] / tolerance ±5%	20.34	20.38	20.41	20.44	20.48
Rated Vmp at BNPI [V]	40.57	40.74	40.91	41.08	41.25
Rated Impp at BNPI [A]	19.28	19.33	19.39	19.45	19.5
Rated Pmax at BNPI [W] / tolerance ±3%	782.2	787.7	793.2	798.8	804.4

Bifaciality coefficient with tolerance(BNPI)

φPmax	80%±5%
φVoc	98%±5%
φIsc	80%±5%

Fire Class Rating

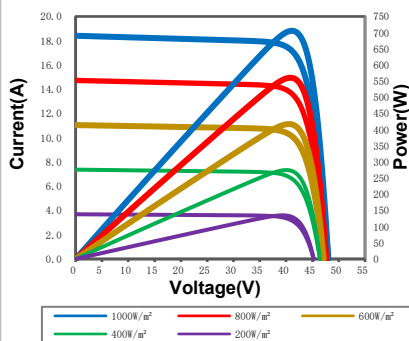
Class C

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%/℃

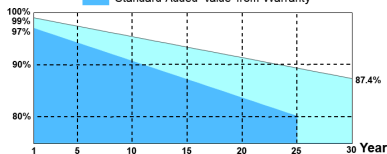
Solar Cells	Monocrystalline	
No. of Cells	132 (6×22)	
Dimensions	2384×1303×33mm	
Weight	38.5(±0.5)kg	
Glass	Heat strengthened glass	
Frame	Anodized aluminum alloy/Polymer Composite Material Frame	
Junction Box	IP68	
Cable	4mm ² (IEC) Length: (+) 200mm, (-) 350mm or customized	
Connectors	PV-HT005-1(Shanghai Aerospace Automobile Electromechanical Co., Ltd.)	
Packaging Configuration	33 pcs/box: 594 pcs/ 40' HQ Container	

IV Curves

25℃



Warranty

N Type TopCon Added Value from Warranty
Standard Added Value from Warranty

15/30-year product warranty*

30-year warranty on power output*

Only apply to the front-side (STC)

* 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

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