

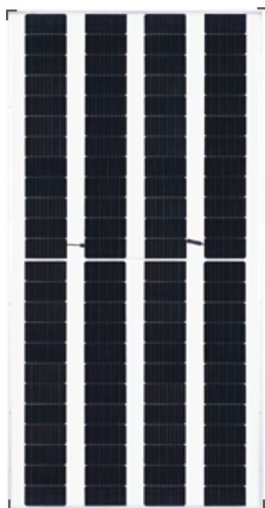
HT48-18X(ND)

Double Glass TOPCon PV Module

HIGH High power

HT48-18X(ND)-XXXX

XXX=Pmax at STC 385W/390W/395W/400W/405W



- Light transmittance: 35(±5)%
- No. of Cells 96(4×24)
- Weight 30.0(±0.5)kg
- Dimensions 2272×1128×6.5mm
- For Australia market



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.

15/30Ys

Product 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
(available on request)

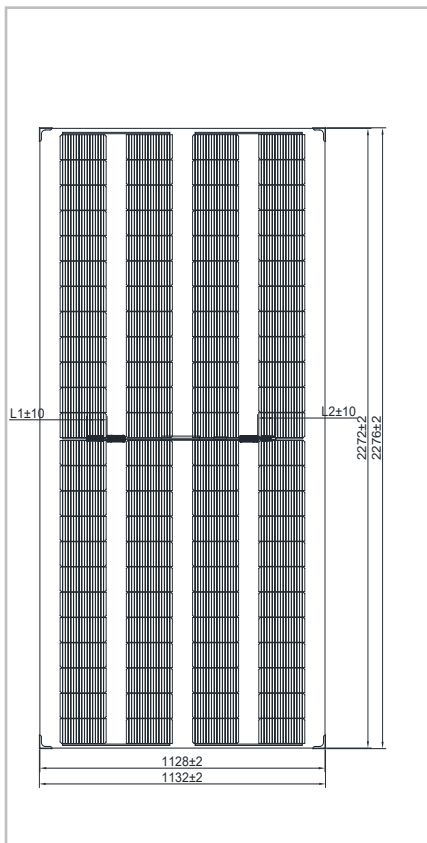
Comprehensive and first-rate certification system

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	HT48-18X(ND)				
Maximum Power(Pmax)	385W	390W	395W	400W	405W
Open Circuit Voltage(Voc)	34.88V	35.07V	35.26V	35.45V	35.64V
Short Circuit Current(Isc)	14.16A	14.19A	14.22A	14.25A	14.28A
Maximum Power Voltage(Vmp)	29.22V	29.39V	29.56V	29.73V	29.90V
Maximum Power Current(Imp)	13.18A	13.28A	13.37A	13.46A	13.55A
Module Efficiency	15.0%	15.2%	15.4%	15.6%	15.8%
Isc(BSI)	17.56A	17.60A	17.63A	17.67A	17.71A
Power/Voc/Isc	±3%/±5%/±5%				
Measurement Tolerances					
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	30A				
Operating Temperature	-40~70°C, Module[T98] max :70°C				

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

Electrical Characteristics (NMOT)

Module Type	HT48-18X(ND)				
Maximum Power(Pmax)	292W	296W	300W	303W	307W
Open Circuit Voltage(Voc)	33.31V	33.49V	33.67V	33.85V	34.04V
Short Circuit Current(Isc)	11.42A	11.45A	11.47A	11.49A	11.52A
Maximum Power Voltage(Vmp)	27.91V	28.07V	28.23V	28.39V	28.55V
Maximum Power Current(Imp)	10.46A	10.55A	10.63A	10.67A	10.75A

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

Electrical ratings at irradiance level at BNPI

Rated Voc at BNPI [V] / tolerance ±5%	34.86	35.05	35.24	35.43	35.62
Rated Isc at BNPI [A] / tolerance ±5%	15.69	15.72	15.76	15.79	15.82
Rated Vmp at BNPI [V]	29.24	29.41	29.58	29.75	29.92
Rated Imp at BNPI [A]	14.6	14.71	14.81	14.91	15.01
Rated Pmax at BNPI [W] / tolerance ±3%	427	432.8	438.2	443.7	449.2

Bifaciality coefficient with tolerance(BNPI)

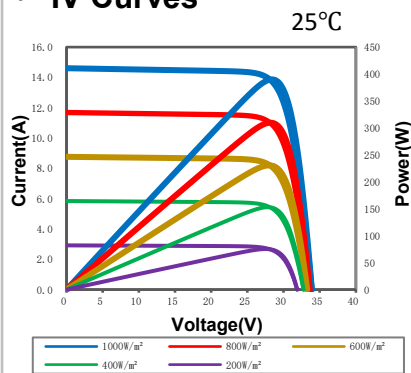
φPmax	80%±5%
φVoc	98%±5%
φIsc	80%±5%

Fire Class Rating

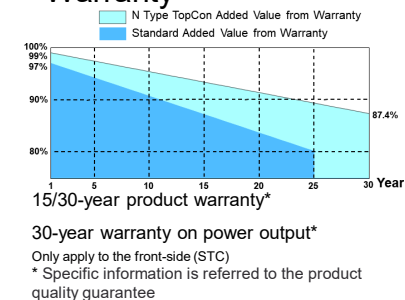
Class C

Nominal Module Operating Temperature(NMOT)		43±2°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	96 (4×24)	
Dimensions	2272×1128×6.5mm	
Weight	30.0(±0.5)kg	
Glass	Heat strengthened glass	
Frame	N/A	
Junction Box	IP68	
Cable	4mm ² (IEC) Length: (+) 400mm, (-) 300mm or customized	
Connectors	PV-HT005-1(Shanghai Aerospace Automobile Electromechanical Co., Ltd.)	
Packaging Configuration	33 pcs/box: 330 pcs/ 40' HQ Container	

IV Curves



Warranty



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

*Copyright©2025V3 Specifications are subject to change without further notification*Only available in Australia