HT-SOLAR

Reliable State - Owned Enterprise Deliver Solar Power Since 1960s

MULTIWAY +

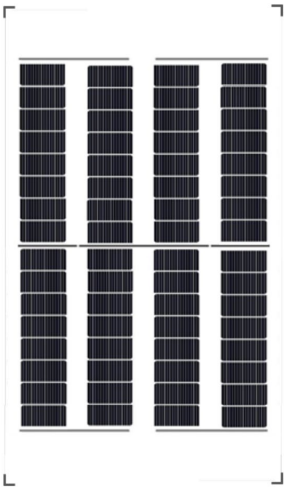
HT32-18X(ND)

Double Glass TOPCon PV Module

HIGH High power

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

HT32-18X(ND)-XXX
XXX=Pmax at STC 250W/255W/260W/265W/270W



- Light transmittance: 55(±5)%
- No. of Cells 64(4×16)
- Weight 30.0(±0.5)kg
- Dimensions 2272×1128×6.5mm
- For Australia market

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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Better Choice For Higher Efficiency!

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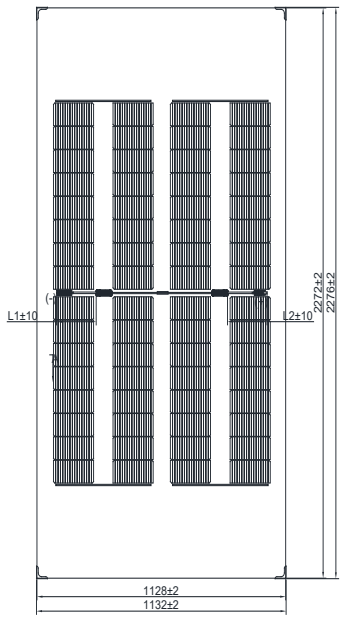


Electrical Characteristics (STC)

Module Type	HT32-18X(ND)				
Maximum Power(Pmax)	250W	255W	260W	265W	270W
Open Circuit Voltage(Voc)	22.97V	23.19V	23.41V	23.63V	23.85V
Short Circuit Current(Isc)	14.12A	14.18A	14.24A	14.30A	14.36A
Maximum Power Voltage(Vmp)	18.80V	18.90V	19.00V	19.20V	19.40V
Maximum Power Current(Imp)	13.32A	13.50A	13.69A	13.81A	13.93A
Module Efficiency	9.7%	9.9%	10.1%	10.3%	10.5%
Isc(BSI)	17.51A	17.58A	17.66A	17.73A	17.81A
Power/Voc/Isc Measurement Tolerances	±3%/±5%/±5%				
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℃

Electrical Characteristics (NMOT)

Module Type	HT32-18X(ND)				
Maximum Power(Pmax)	190W	193W	197W	201W	205W
Open Circuit Voltage(Voc)	21.94V	22.15V	22.36V	22.57V	22.78V
Short Circuit Current(Isc)	11.39A	11.44A	11.49A	11.53A	11.58A
Maximum Power Voltage(Vmp)	17.95V	18.05V	18.15V	18.34V	18.53V
Maximum Power Current(Imp)	10.58A	10.69A	10.85A	10.96A	11.06A

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

Electrical ratings at irradiance level at BNPI

Rated Voc at BNPI [V] / tolerance ±5%	22.95	23.17	23.39	23.61	23.83
Rated Isc at BNPI [A] / tolerance ±5%	15.64	15.71	15.78	15.84	15.91
Rated Vmp at BNPI [V]	18.82	18.92	19.02	19.22	19.42
Rated Imp at BNPI [A]	14.76	14.96	15.17	15.3	15.43
Rated Pmax at BNPI [W] / tolerance ±3%	277.8	283	288.5	294.1	299.7

Bifaciality coefficient with tolerance(BNPI)

φPmax	80%±5%
φVoc	98%±5%
φIsc	80%±5%

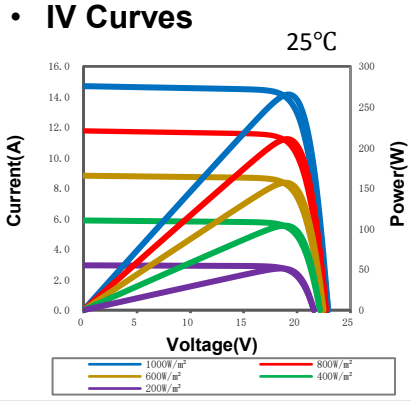
Fire Class Rating

Class C

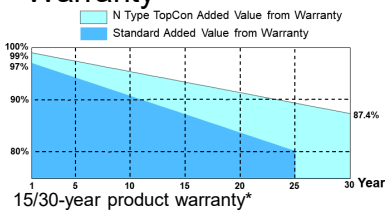
Nominal Module Operating Temperature(NMOT)		43±2℃
Temperature Coefficient of Pmax	γ (Pm)	-0.29%/℃
Temperature Coefficient of Voc	β (Voc)	-0.25%/℃
Temperature Coefficient of Isc	α (Isc)	0.046%/℃

Solar Cells	Monocrystalline
No. of Cells	64 (4×16)
Dimensions	2272×1128×6.5mm
Weight	30.0(±0.5)kg
Glass	Heat strengthened glass
Frame	N/A
Junction Box	IP68
Cable	4mm² (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



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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