

# HT60-18X(ND)

Double Glass TOPCon PV Module

**HIGH** High power

**485W/490W**

**495W/500W/505W**



- Module Efficiency 23.3%
- No. of Cells 120(6×20)
- Weight 37.5 (±1.0)kg
- Dimensions 1907×1132×8mm
- Bifaciality 80(±5)%

MULTIWAY+



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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.

## TOPCon

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



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

**15Ys**

Products warranty

**30Ys**

Warranty on power output

**EL**

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



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

**0~+3%**

Positive tolerance 0~+3% guaranteed



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

**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	HT60-18X(ND)				
Maximum Power(Pmax)	485W	490W	495W	500W	505W
Open Circuit Voltage(Voc)	42.7V	42.9V	43.1V	43.3V	43.5V
Short Circuit Current(Isc)	14.39A	14.47A	14.55A	14.63A	14.71A
Maximum Power Voltage(Vmp)	35.8V	36.0V	36.2V	36.4V	36.6V
Maximum Power Current(Imp)	13.56A	13.63A	13.69A	13.75A	13.81A
Module Efficiency	22.4%	22.6%	22.9%	23.1%	23.3%
Power Tolerance	0 ~ +3%				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C to +85°C				

\* STC: AM 1.5, Irradiance 1000W/m<sup>2</sup>, module temperature 25°C

### Electrical Characteristics (NMOT)

Module Type	HT60-18X(ND)				
Maximum Power(Pmax)	369W	373W	376W	380W	384W
Open Circuit Voltage(Voc)	41.0V	41.2V	41.4V	41.6V	41.8V
Short Circuit Current(Isc)	11.60A	11.66A	11.73A	11.79A	11.85A
Maximum Power Voltage(Vmp)	34.4V	34.6V	34.8V	34.9V	35.1V
Maximum Power Current(Imp)	10.73A	10.78A	10.80A	10.89A	10.94A

\* NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

### Bifacial output-rearside power gain

5%	Maximum Power(Pmax)	509W	515W	520W	525W	530W
	Module Efficiency	23.5%	23.8%	24.0%	24.3%	24.5%
15%	Maximum Power(Pmax)	558W	564W	569W	575W	581W
	Module Efficiency	25.8%	26.0%	26.3%	26.6%	26.8%
25%	Maximum Power(Pmax)	606W	613W	619W	625W	631W
	Module Efficiency	28.0%	28.3%	28.6%	28.9%	29.2%

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

Temperature Coefficient of Pmax  $\gamma$  (Pm) -0.29%/°C

Temperature Coefficient of Voc  $\beta$  (Voc) -0.25%/°C

Temperature Coefficient of Isc  $\alpha$  (Isc) 0.046%/°C

Solar Cells Monocrystalline

No. of Cells 120 (6×20)

Dimensions 1907×1132×8mm

Weight 37.5 (±1.0) kg

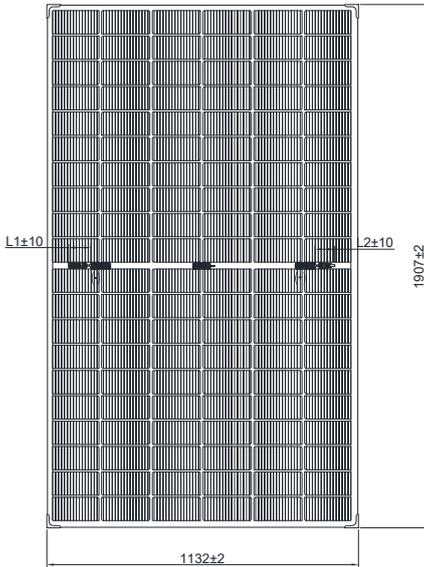
Glass (Front /Back) High transmission coated tempered glass/Tempered glass

Junction Box IP68

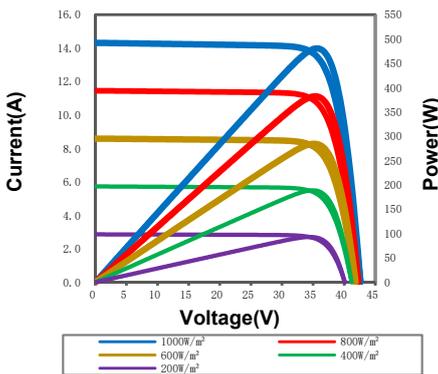
Cable 4mm<sup>2</sup> (IEC) Length: (+) 200mm, (-) 300mm or customized

Connectors MC4 / MC4 Compatible

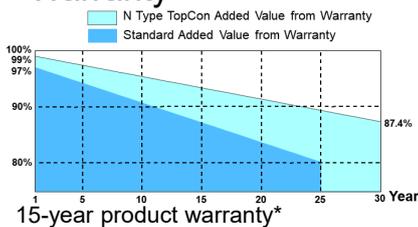
Packaging Configuration 31 pcs/box: 620 pcs/ 40' HQ Container



### 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

\*Copyright@2024V4 Specifications are subject to change without further notification