

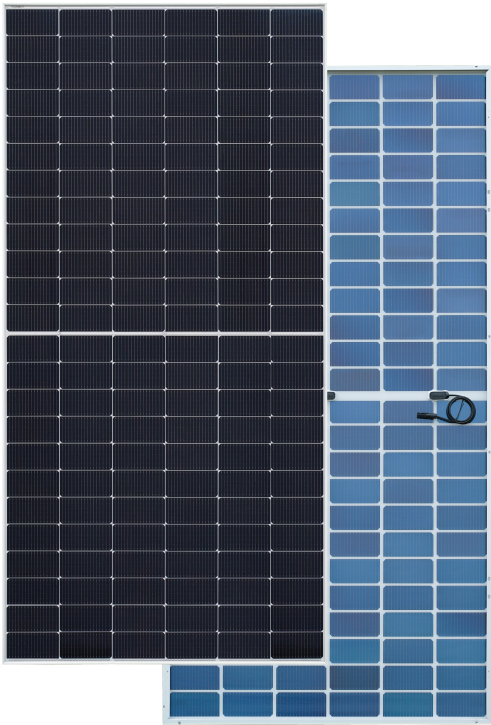
HT72-18X (ND)-F Double Glass

High Efficiency Lower LID and TOPCON cell with Half-cut Technology

Big Size: Cell 182mm × 91.875mm Monocrystalline

570W / 575W

580W / 585W / 590W



10-30% Additional Power Generation

10-30% additional power generation comparing with conventional P-type module



Lower LID (Light Induced Degradation)

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



Lower LCOE

Higher power output and lower BOS cost



Better Weak Illumination Response

Higher power output even under low-light environment



Better Temperature Coefficient

Higher power generation under normal working conditions



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

■ Module Efficiency
22.8%

■ No. of Cells
144(6 × 24)

■ Weight
32.5±0.5kg

■ Dimensions
2278mm × 1134mm × 35mm

Comprehensive and First-rate Certification System

IEC61215: 2021 . IEC61730: 2023 . UL61730: 2017 . IEC62804: 2015
ISO9001 . ISO14001 . and . ISO45001



Electrical Characteristics

Module	HT72-18X(ND)-F				
Maximum Power at STC (Pmax)	570W	575W	580W	585W	590W
Open - Circuit Voltage (Voc)	50.90V	51.10V	51.30V	51.50V	51.70V
Short - Circuit Current (Isc)	14.23A	14.31A	14.39A	14.47A	14.55A
Optimum Operating Voltage (Vmp)	40.6V	42.9V	43.1V	43.3V	43.5V
Optimum Operating Current (Imp)	13.11 A	13.11 A	13.17 A	13.17 A	13.17 A
Module efficiency	22.1%	22.3%	22.5%	22.6%	22.8%
Power Tolerance	0 ~ + 3%				
Maximum System Voltage	1500V DC (UL / IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40 °C to +85 °C				

* STC: Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

NMOT

Module	HT72-18X(ND)-F (Bifaciality 85±5%)				
Maximum Power	433W	437W	441W	445W	449W
Open - Circuit Voltage (Voc)	48.9V	49.1V	49.2V	49.4V	49.6V
Short - Circuit Current (Isc)	11.47A	11.53A	11.60A	11.66A	11.73A
Optimum Operating Voltage (Vmp)	41.0V	41.2V	41.4V	41.6V	41.7V
Optimum Operating Current (Imp)	10.56A	10.61A	10.65A	10.70A	10.77A
NMOT	45±2 °C				

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

Mechanical Characteristics

Solar Cells	Monocrystalline 182 × 91.875mm
No. of Cells	144(6 × 24)
Dimensions	2278 × 1134mm × 35mm
Weight	32.5±0.5kg
Front Glass	High transmission tempered glass; thickness;2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (UL / IEC) length; (+)400mm, (-)200mm / length can be customized
Connectors	MC4/MC4 Compatible
Packaging Configuration	31pcs / box,620pcs / 40'HQ container

Temperature Characteristics

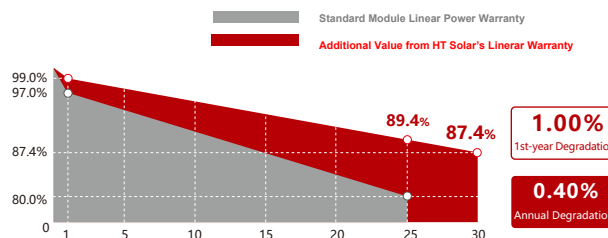
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.046%/°C

Warranty

15 - years
product warranty

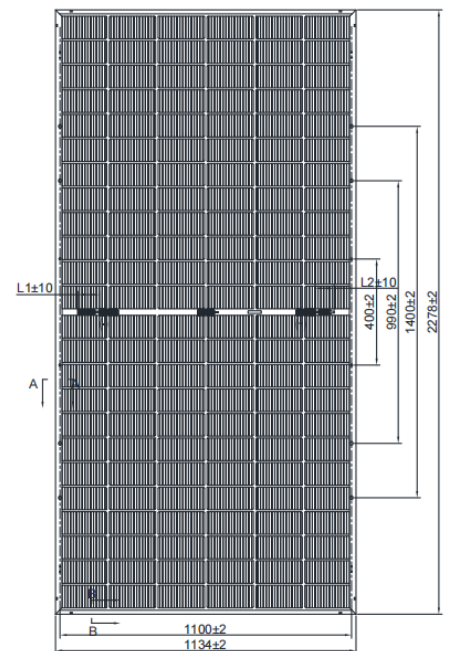
30 - years
warranty on power output

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

Engineering Drawing



IV Curves

