

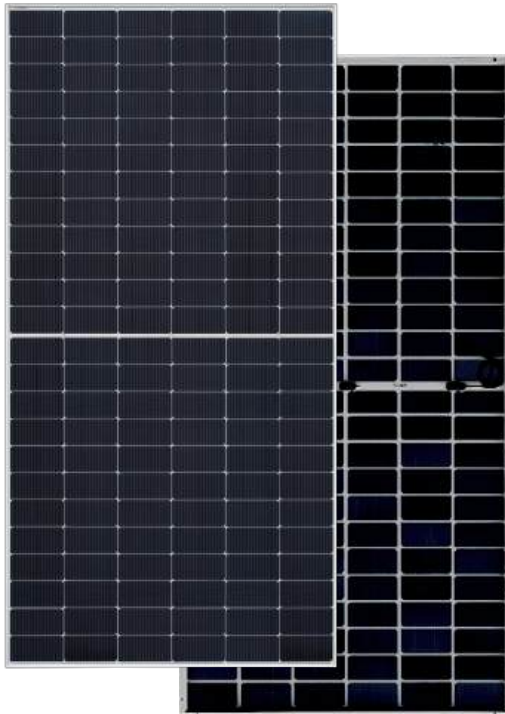
Jupiter

HT72-18X(ND)-F Double Glass

High Efficiency Lower LID and TOPCon cell with Half-cut Technology
Big Size : Cell 182 × 91.875mm Monocrystalline

580W / 585W

590W / 595W / 600W



- Module Efficiency
23.2%
- No. of Cells
144 (6 × 24)
- Weight
32.0±0.5kg
- Dimensions
2278 × 1134 × 30mm



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)

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)	580W	585W	590W	595W	600W
Open - Circuit Voltage (Voc)	51.30V	51.50V	51.70V	51.85V	52.00V
Short - Circuit Current (Isc)	14.39A	14.47A	14.55A	14.62A	14.70A
Optimum Operating Voltage (Vmp)	43.80V	43.30V	43.50V	43.55V	43.70V
Optimum Operating Current (Imp)	13.47 A	13.71 A	13.59A	13.67A	13.73A
Module efficiency	22.5%	22.6%	22.8%	23.0%	23.2%
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°C, AM=1.5
Optional black frame or white frame module according to customer requirements

NMOT

Module	HT72-18X(ND)-F (Bifaciality 80±10%)				
Maximum Power	441W	445W	449W	453W	457W
Open - Circuit Voltage (Voc)	49.20V	49.40V	49.60V	49.80V	50.00V
Short - Circuit Current (Isc)	11.60A	11.66A	11.73A	11.79A	11.86A
Optimum Operating Voltage (Vmp)	41.40V	41.60V	41.70V	41.90V	42.10V
Optimum Operating Current (Imp)	10.65A	10.70A	10.77A	10.82A	10.89A
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 × 1134 × 30mm
Weight	32.0±0.5kg
Glass (Front/Back)	High transmission tempered glass; thickness: 2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (UL / IEC); length: ±1200mm / customized length
Connectors	MC4-EVO2/MC4 Compatible
Packaging Configuration	37pcs/box, 814pcs/truck

Temperature Characteristics

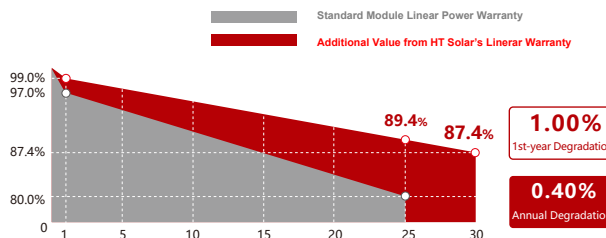
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.046%/°C

Warranty

15 - years
product warranty

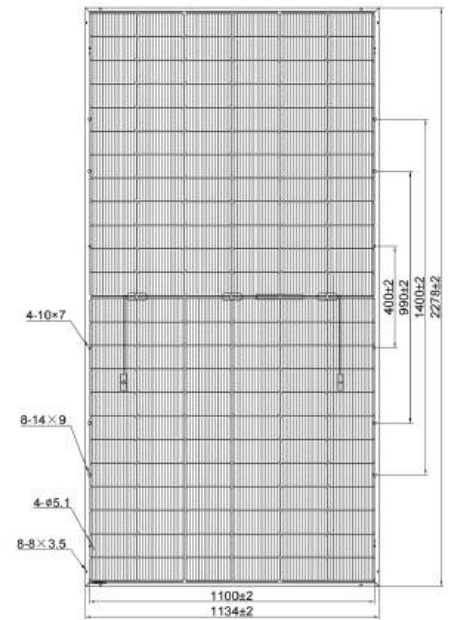
30 - years
warranty on power output

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

