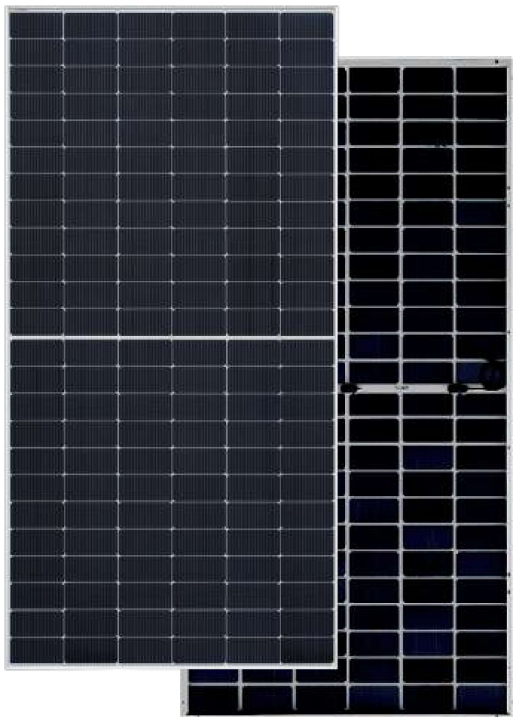
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Jupiter

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

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Jupiter

Better Choice For Higher Efficiency

HT-SAAE

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)	43.10V	43.30V	43.50V	43.55V	43.70V
Optimum Operating Current (Imp)	13.47A	13.53A	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 ℃to +85 ℃				

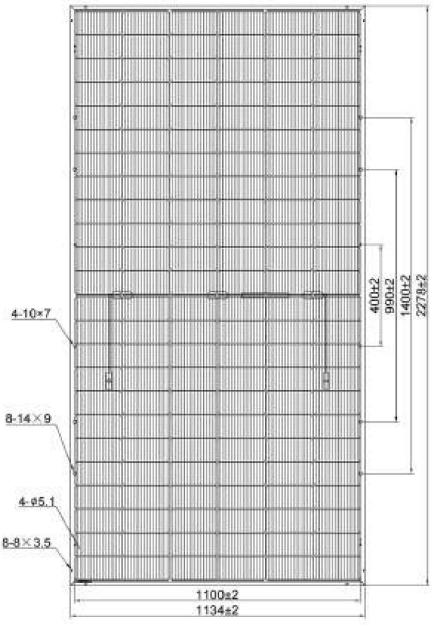
* STC: Irradiance 1000W/m², module temperature 25℃, AM=1.5
Optional black frame or white frame module according to customer requirements

NMOT

Module	HT72-18X(ND)-F (Bifaciality 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℃				

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

Engineering Drawing



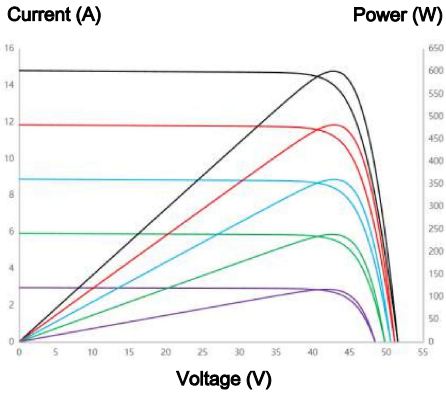
Mechanical Characteristics

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	4mm² (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%/℃
Temperature Coefficient of Voc	-0.23%/℃
Temperature Coefficient of Isc	+0 .046%/℃

IV Curves

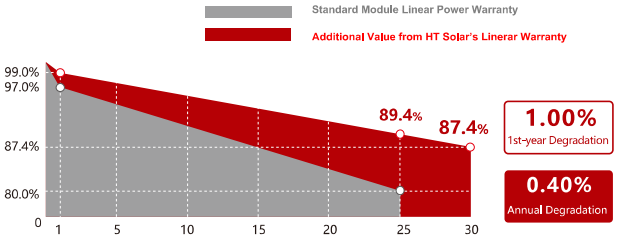


Warranty

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

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