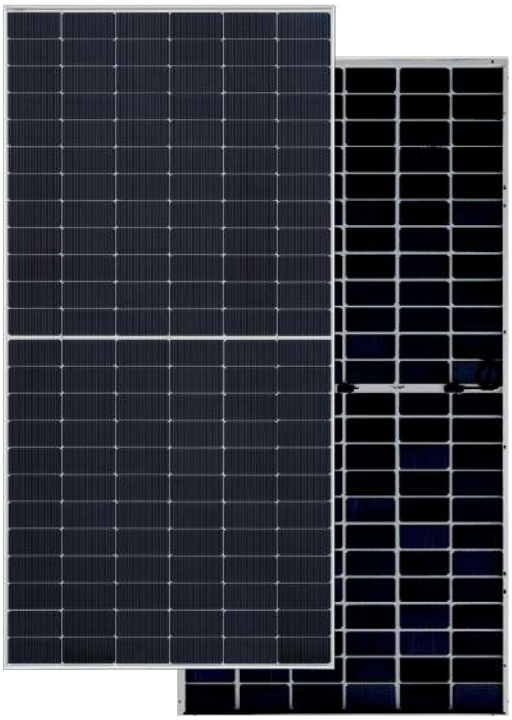
HT-SAAE

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

550W / 555W
560W / 565W / 570W



- Module Efficiency
  21.3%
- 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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Turkey HT Solar Energy Joint Stock Company

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Better Choice For Higher Efficiency

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Electrical Characteristics

Module	HT72-18X(ND)-F				
Maximum Power at STC (Pmax)	550W	555W	560W	565W	570W
Open - Circuit Voltage (Voc)	50.20V	50.40V	50.50V	50.70V	50.90V
Short - Circuit Current (Isc)	13.91A	13.99A	14.07A	14.15A	14.23A
Optimum Operating Voltage (Vmp)	41.90V	42.10V	42.30V	42.50V	42.70V
Optimum Operating Current (Imp)	13.13A	13.19A	13.25A	13.31A	13.37A
Module efficiency	21.3%	21.5%	21.7%	21.9%	22.1%
Power Tolerance	0 ~ +3%				
Maximum System Voltage	1500V DC (UL / IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40 ℃to +85 ℃				

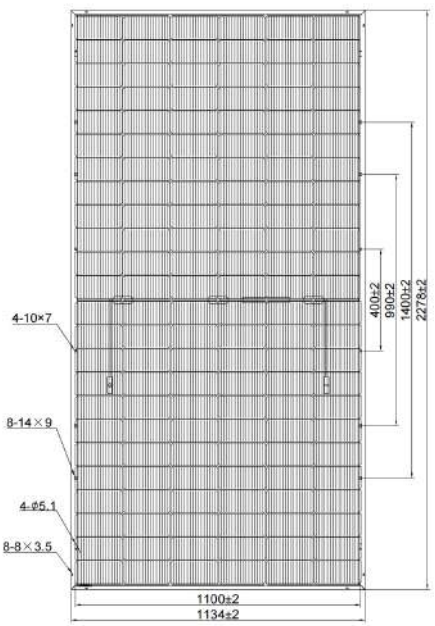
* STC: Irradiance 1000W/m², module temperature 25℃, AM1.5
Optional black frame or white frame module according to customer requirements

NMOT

Module	HT72-18X(ND)-F (Bifaciality 80±10%)				
Maximum Power	418W	422W	426W	430W	433W
Open - Circuit Voltage (Voc)	48.20V	48.40V	48.50V	48.70V	48.90V
Short - Circuit Current (Isc)	11.21A	11.28A	11.34A	11.40A	11.47A
Optimum Operating Voltage (Vmp)	40.20V	40.40V	40.60V	40.80V	41.00V
Optimum Operating Current (Imp)	10.40A	10.45A	10.49A	10.54A	10.56A
NMOT	45±2 ℃				

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

Engineering Drawing



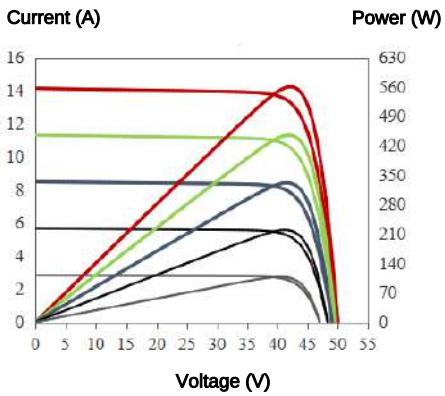
Mechanical Characteristics

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

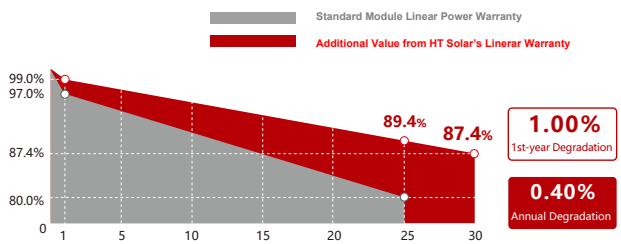


Warranty

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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