

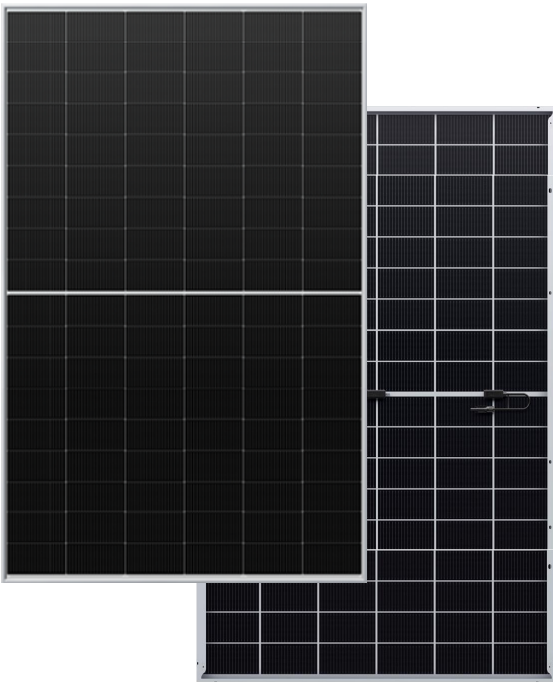
Jupiter Pro

HT54-18X+(ND)-F Double Glass

High Efficiency Lower LID and TOPCon cell with Half-cut Technology
Big Size : Cell 182mm × 105mm Monocrystalline

500W / 505W

510W / 515W / 520W



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
23.4%
- No. of Cells
108(6 × 18)
- Weight
27.6±0.5kg
- Dimensions
1960mm×1134mm×30mm

Comprehensive and First-rate Certification System

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



Jupiter Pro

Better Choice For Higher Efficiency



Electrical Characteristics

Module	HT54-18X+(ND)-F				
Maximum Power at STC (Pmax)	500W	505W	510W	515W	520W
Open - Circuit Voltage (Voc)	39.83V	40.03V	40.23V	40.43V	40.63V
Short - Circuit Current (Isc)	16.00A	16.07A	16.15A	16.23A	16.30A
Optimum Operating Voltage (Vmp)	33.19V	33.34V	33.49V	33.64V	33.79V
Optimum Operating Current (Imp)	15.07A	15.15A	15.23A	15.31A	15.38A
Module efficiency	22.5%	22.7%	22.9%	23.2%	23.4%
Power Tolerance	0 ~ + 3%				
Maximum System Voltage	1500V DC (UL / IEC)				
Maximum Series Fuse Rating	35A				
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

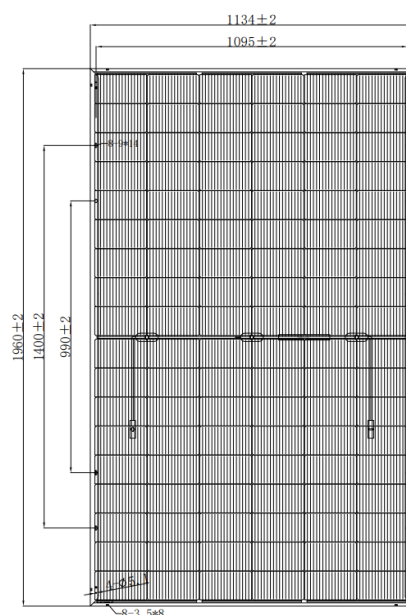
Module	HT54-18X+(ND)-F (Bifaciality 85±5%)				
Maximum Power	378W	381W	385W	389W	393W
Open - Circuit Voltage (Voc)	37.50V	37.80V	38.00V	38.10V	38.30V
Short - Circuit Current (Isc)	12.92A	12.96A	13.02A	13.09A	13.16A
Optimum Operating Voltage (Vmp)	31.0V	31.2V	31.4V	31.5V	31.7V
Optimum Operating Current (Imp)	12.17A	12.22A	12.28A	12.33A	12.38A
NMOT	45±2 C				

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

Mechanical Characteristics

Solar Cells	Monocrystalline 182 × 105mm
No. of Cells	108 (6 × 18)
Dimensions	1960mm × 1134mm × 30mm
Weight	27.6±0.5kg
Front Glass	High transmission coated 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	36pcs / box, 864pcs / 40'HQ container

Engineering Drawing



Temperature Characteristics

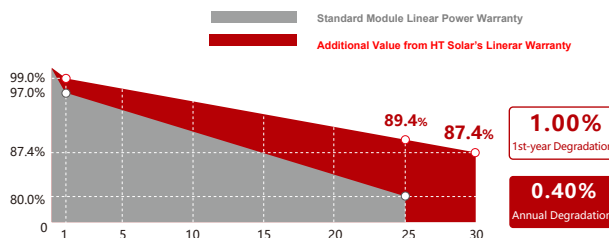
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.046%/°C

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

IV Curves

