

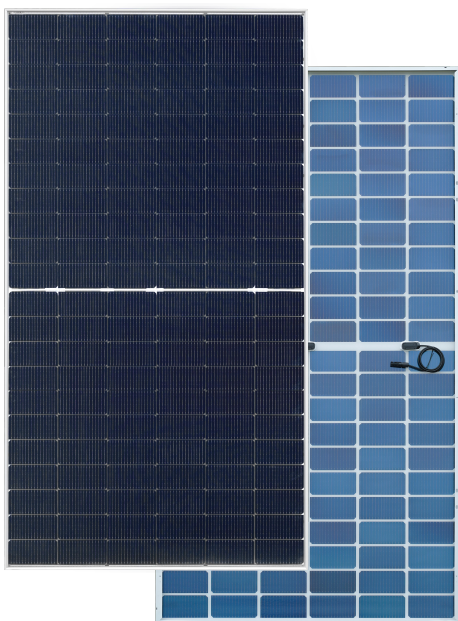
Jupiter

HT66-18X(ND)-F Double Glass

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

525W / 530W

535W / 540W / 545W



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
23.0%

■ No. of Cells
132(6 × 22)

■ Weight
28.0±0.5kg

■ Dimensions
2094mm × 1134mm × 30mm

Comprehensive and First-rate Certification System

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



Electrical Characteristics

Module	HT66-18X(ND)-F				
Maximum Power at STC (Pmax)	525W	530W	535W	540W	545W
Open - Circuit Voltage (Voc)	46.8V	47.0V	47.2V	47.4V	47.6V
Short - Circuit Current (Isc)	14.29A	14.35A	14.41A	14.47A	14.53A
Optimum Operating Voltage (Vmp)	39.20V	39.4V	39.60V	39.80V	40.00V
Optimum Operating Current (Imp)	13.40A	13.46A	13.52A	13.58A	13.64A
Module efficiency	22.1%	22.3%	22.5%	22.7%	23.0%
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

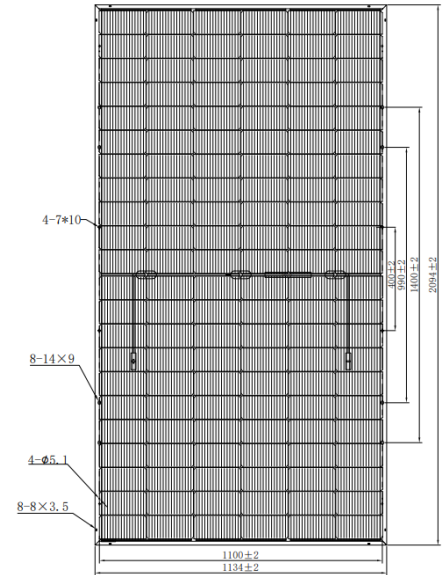
Module	HT66-18X(ND)-F (Bifaciality 85±5%)				
Maximum Power	408W	412W	417W	420W	424W
Open - Circuit Voltage (Voc)	46.00V	46.20V	46.50V	46.60V	46.90V
Short - Circuit Current (Isc)	11.26A	11.31A	11.34A	11.41A	11.46A
Optimum Operating Voltage (Vmp)	38.8V	39.0V	39.30V	39.40V	39.60V
Optimum Operating Current (Imp)	10.53A	10.58A	10.62A	10.68A	10.73A
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	132(6 × 22)
Dimensions	2094mm × 1134mm × 30mm
Weight	28.0±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	36pcs / box, 792pcs / 40'HQ container

Engineering Drawing



Temperature Characteristics

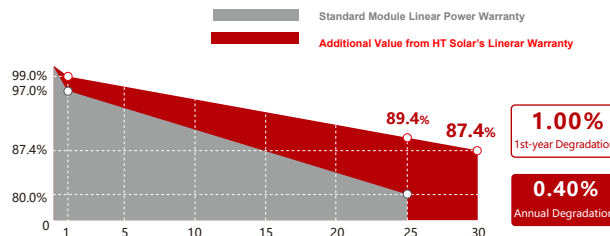
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.046%/°C

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

IV Curves

