

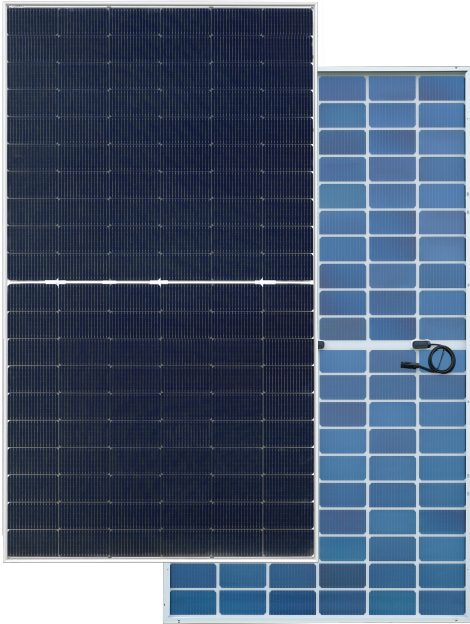
Jupiter

HT60-18X(ND)-F Double Glass

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

480W / 485W

490W / 495W / 500W



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
23.1%

■ No. of Cells
120(6 × 20)

■ Weight
26.0±0.5kg

■ Dimensions
1909mm × 1134mm × 30mm

Comprehensive and First-rate Certification System

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



Electrical Characteristics

Module	HT60-18X(ND)-F				
Maximum Power at STC (Pmax)	480W	485W	490W	495W	500W
Open - Circuit Voltage (Voc)	42.6V	42.7V	42.9V	43.1V	43.3V
Short - Circuit Current (Isc)	14.31A	14.39A	14.47A	14.55A	14.63A
Optimum Operating Voltage (Vmp)	35.6V	35.8V	36.0V	36.2V	36.4V
Optimum Operating Current (Imp)	13.50A	13.56A	13.62A	13.68A	13.74A
Module efficiency	22.2%	22.4%	22.6%	22.9%	23.1%
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

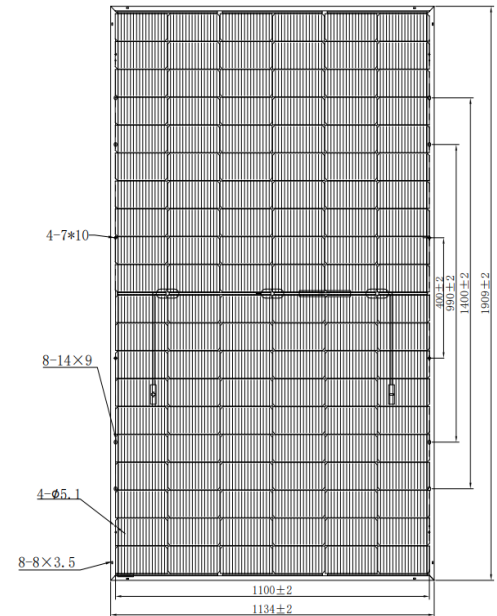
Module	HT60-18X(ND)-F (Bifaciality 85±5%)				
Maximum Power	361W	365W	369W	373W	377W
Open - Circuit Voltage (Voc)	40.57V	40.73V	40.89V	41.05V	41.21V
Short - Circuit Current (Isc)	11.55A	11.61A	11.67A	11.73A	11.79A
Optimum Operating Voltage (Vmp)	33.27V	33.43V	33.49V	33.55V	33.61V
Optimum Operating Current (Imp)	10.85A	10.92A	10.99A	11.06A	11.13A
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	120(6 × 20)
Dimensions	1909mm × 1134mm × 30mm
Weight	26.0±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, 864pcs / 40'HQ container

Engineering Drawing



Temperature Characteristics

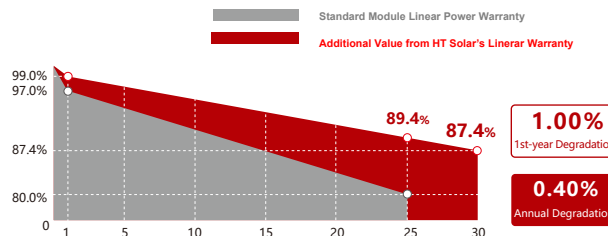
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.046%/°C

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

