

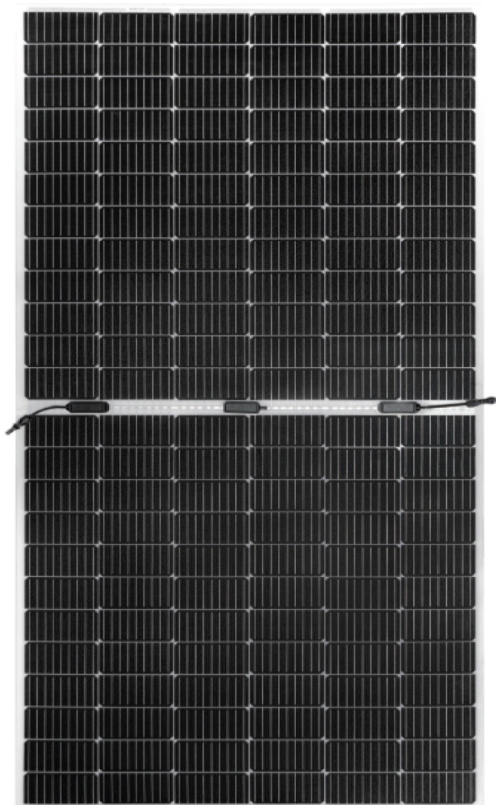
VENUS SERIES

SF72 510W-530W

High Efficiency Low LID with Half-cut Technology
Big Size : Cell 182 x 91mm Monocrystalline

510W / 515W

520W / 525W / 530W



- Module Efficiency
20.4%
- No.of Cells
144(6 × 24)
- Weight
7.5±0.5Kg
- Dimensions
2297 × 1131 × 3mm

Fast-Installation

Through faster installation, equires no penetration, reduces time on roof and saves installation costs.

Safety

Integration with underlying installation surface, ensuring the waterproof performance and safety performance of the roof.

Ultra-light

Glass free module weighs 7.5kg, 70% lighter than conventional glass modules.

Flexibility

The biggest advantage of flexible photovoltaic modules is that they can be bent and folded, which allows them to adapt to more application scenarios.

Comprehensive and First-rate Certification System

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



VENUS SERIES

Better Choice For Higher Efficiency



Electrical Characteristics

Module	SF72-18N				
Maximum Power at STC (Pmax)	510W	515W	520W	525W	530W
Open - Circuit Voltage (Voc)	49.30V	49.45V	49.60V	49.75V	49.90V
Short - Circuit Current (Isc)	13.50A	13.56A	13.63A	13.70A	13.76A
Optimum Operating Voltage (Vmp)	40.75V	40.90V	41.05V	41.20V	41.35V
Optimum Operating Current (Imp)	12.54A	12.61A	12.68A	12.75A	12.83A
Module efficiency	19.6%	19.8%	20.0%	20.2%	20.4%
Power Tolerance	0 ~ + 5W				
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	SF72-18N				
Maximum Power	381.7W	385.2W	388.7W	392.3W	396.1W
Open - Circuit Voltage (Voc)	46.00V	46.10V	46.30V	46.40V	46.50V
Short - Circuit Current (Isc)	10.90A	10.95A	11.01A	11.06A	11.11A
Optimum Operating Voltage (Vmp)	37.50V	37.60V	37.80V	37.90V	38.10V
Optimum Operating Current (Imp)	10.18A	10.23A	10.29A	10.35A	10.40A
NMOT	45±2°C				

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

Mechanical Characteristics

Solar Cells	Monocrystalline 182 × 91mm
No. of Cells	144(6 × 24)
Dimensions	2297 × 1131 × 3 mm
Weight	7.5±0.5kg
Frame	Framless
Junction Box	IP68
Cable	4mm ² (UL / IEC) length: (+)400mm, (-)200mm / customized length
Connectors	MC4-EVO2/CM4 Compatible
Packaging Configuration	58pcs / box, 1160pcs /40'HQ container

Temperature Characteristics

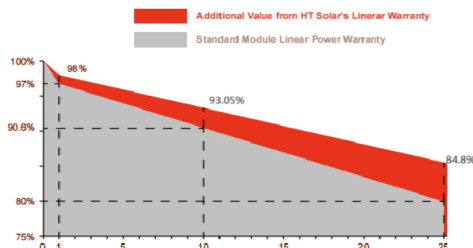
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.047%/°C

Warranty

12 - years
product warranty

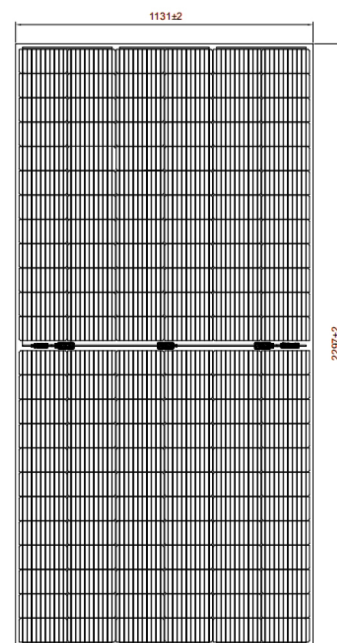
25 - years
warranty on power output

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

Engineering Drawing



IV Curves

