



M6 HIEFF TWIN MONO (HJT) by SUNPRO

SPDGxxx-120M6T
(xxx=380~400)

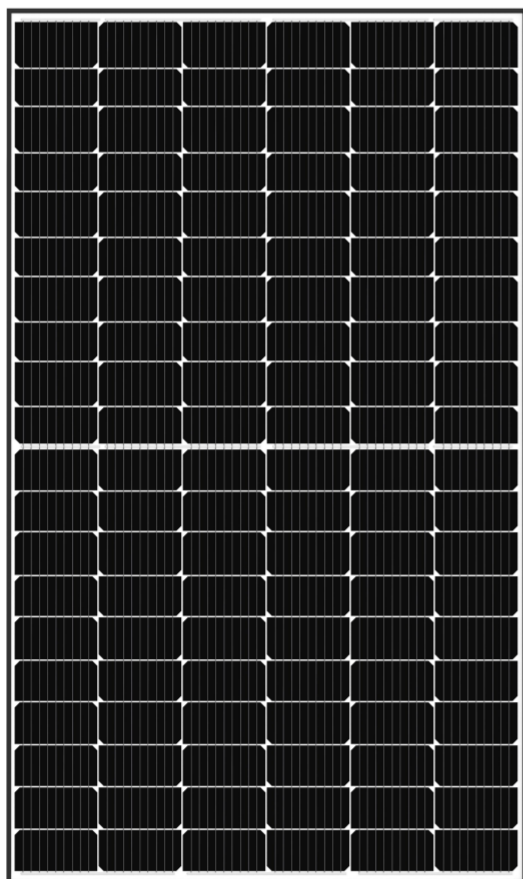
Double-glass bifacial
black frame



ISO 14001

ISO 9001

ISO 45001



Reliability & Certification

Product Guarantee: **15-year**
Linear Performance Warranty
25-year: 90% power output
30-year: 88% power output



ADVANCED BIFACIAL EFFICIENCY

Bifaciality > 92%, effectively improves backside power generation. A bifacial cell design that generates energy from both sides, capturing and converting more sunlight into power.



WITHSTAND STRONG SNOW LOAD 5400 Pa/ WIND LOAD 2400 Pa



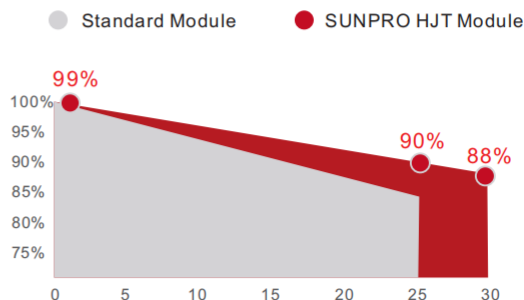
NEW TECHNOLOGY: HIEFF UP TO 22.0%

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 22.0%.



High Energy Yield

Excellent weak light performance and better performance in hot climate. Leading temperature coefficient for more production when the sun shines strongest, Or under the cloudy, haze condition



* Refer to SUNPRO standard warranty for details

Product Specification

Electrical parameters at standard test conditions
(STC:AM=1.5, 1000W/m², Cells Temperature 25°C)

Typical type	380W	385W	390W	395W	400W
Max power(Pmax)	380	385	390	395	400
Max power voltage(Vmp)	37.52V	37.7V	37.91V	38.16V	38.36V
Max power current(Imp)	10.14A	10.22A	10.30A	10.36A	10.44A
Open circuit voltage (Voc)	44.22V	44.35V	44.48V	44.61V	44.74V
Short circuit current (Isc)	10.50A	10.56A	10.62A	10.68A	10.74A
Module Efficiency (%)	20.9	21.1	21.4	21.7	22.0
Max system voltage	DC1500V (IEC)				
Maximum Series Fuse Rating	20A				

Mechanical Data

Item	Specification
Dimensions	1755x1038x30mm
Weight	23.5kg
Glass Thickness	(F) 2.0mm Anti - effective surface Solar glass (B) 2.0mm Solar glass
Output cables	4mm 1100mm in length, length can be customized / UV Resistant
Connectors	MC4 compatible IP68
Cell type	Mono – Crystalline, Bifacial HJT Half - Cell 9BB 166x83mm
Number of cells	120 cells in series

Temperature Characteristics

Item	Specification
Temp.Coeff.of Isc(TK Isc)	0.04% / °C
Temp.Coeff.of Voc(TK Voc)	-0.24% / °C
Temp.Coeff.of Pmax(TK Pmax)	-0.26% / °C
Operating temperature	-40°C ~ +85°C
Normal operating cell temperature	44±2 °C

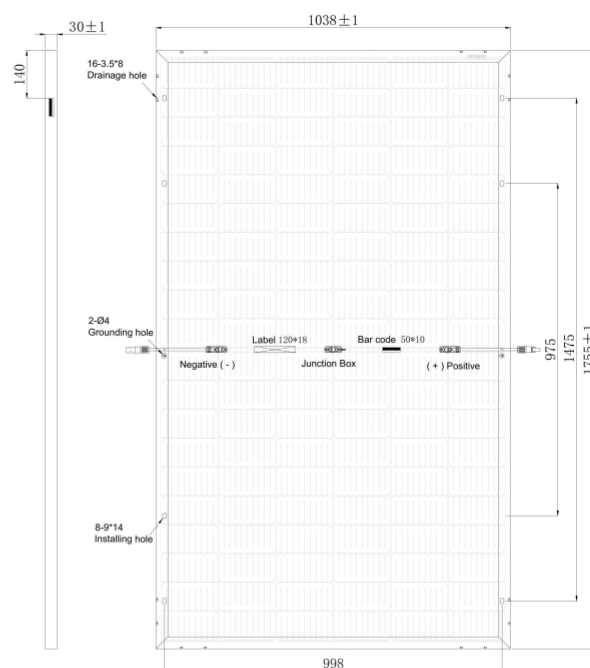
Packing Configuration

Item	Specification
Container	40'HC
Pieces per pallet	36
Pallets per container	26
Pieces per container	936

Test, Certifications and Warranties

Item	Specification
Standard tests	IEC 61215, IEC 61730, IEC 61701, IEC 62716, PPP 58042B
System certs	ISO 9001, ISO14001, ISO45001
Certifications	TUV, AMMONIA AND SALT MIST CORROSION, CE, WEEE, INMETRO
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Power tolerance	0~+3%
Junction box	IP68
Warranties	15 years product warranty and 30 years 88% of power

Dimensions and Structure



I-V Curve

I-V characteristics at different irradiation

