



M6 HIEFF TWIN MONO by SUNPRO

SPxxx-120M
(xxx=360~380)
HIGH EFFICIENCY



ISO 14001

ISO 9001

ISO 45001



POWER TOLERANCE

0~+3%



WITHSTAND STRONG SNOW LOAD
5400 Pa/ WIND LOAD 2400 Pa



NEW TECHNOLOGY:

HIEFF UP TO 20.86%

Higher yield per surface area,
lower BOS costs, higher power classes,
and an efficiency rate of up to 20.86%.

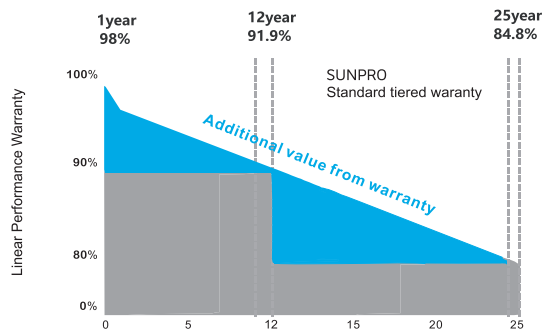


PRODUCT WITH HIEFF BY SUNPRO TECHNOLOGY

SUNPRO combines cutting edge cell
separation and innovative 9-busbar design
with SUNPRO Technology.

Reliability & Certification

Product Guarantee: **12-year**
Linear Performance Warranty
12-year:91.9% power output
25-year:84.8% power output



Product Specification

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

| Typical type | 360W | 365W | 370W | 375W | 380W |
|-----------------------------|-------------------------------|-------|-------|-------|-------|
| Max power(Pmax) | 360 | 365 | 370 | 375 | 380 |
| Max power voltage(Vmp) | 33.90 | 34.00 | 34.10 | 34.20 | 34.30 |
| Max power current(Imp) | 10.62 | 10.74 | 10.85 | 10.97 | 11.08 |
| Open circuit voltage (Voc) | 41.20 | 41.30 | 41.40 | 41.50 | 41.60 |
| Short circuit current (Isc) | 11.18 | 11.30 | 11.41 | 11.53 | 11.65 |
| Module Efficiency(%) | 19.76 | 20.04 | 20.31 | 20.59 | 20.86 |
| Max system voltage | DC 1500V(TUV) / DC 1000V(TUV) | | | | |
| Maximum Series Fuse Rating | 20A | | | | |

Electrical parameters at NMOT test conditions

(NMOT:Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s)

| Item | 360W | 365W | 370W | 375W | 380W |
|-----------------------------|-------|-------|-------|-------|-------|
| Max power(Pmax) | 292.7 | 296.8 | 300.7 | 304.9 | 308.8 |
| Max power voltage(Vmp) | 34.7 | 34.8 | 34.9 | 35.0 | 35.1 |
| Max power current(Imp) | 8.43 | 8.53 | 8.61 | 8.71 | 8.80 |
| Open circuit voltage (Voc) | 41.4 | 41.5 | 41.6 | 41.7 | 41.8 |
| Short circuit current (Isc) | 8.92 | 9.02 | 9.11 | 9.20 | 9.30 |

Mechanical Data

| Item | Specification |
|-----------------|---|
| Dimensions | 1755x1038x30mm |
| Weight | 19.5kg |
| Front glass | 3.2mm tempered glass |
| | 4mm ² |
| Output cables | symmetrical lengths 1100mm |
| Connectors | MC4 compatible IP68 |
| Cell type | Mono-Crystalline PERC Half-Cell 9BB 83x166mm |
| Number of cells | 120 cells |

Temperature Characteristics

| Item | Specification |
|-----------------------------------|---------------|
| Temp.Coeff.of Isc(TK Isc) | 0.05%/°C |
| Temp.Coeff.of Voc(TK Voc) | -0.29%/°C |
| Temp.Coeff.of Pmax(TK Pmax) | -0.34%/°C |
| Operating temperature | -40~+85°C |
| Normal operating cell temperature | 44±2°C |

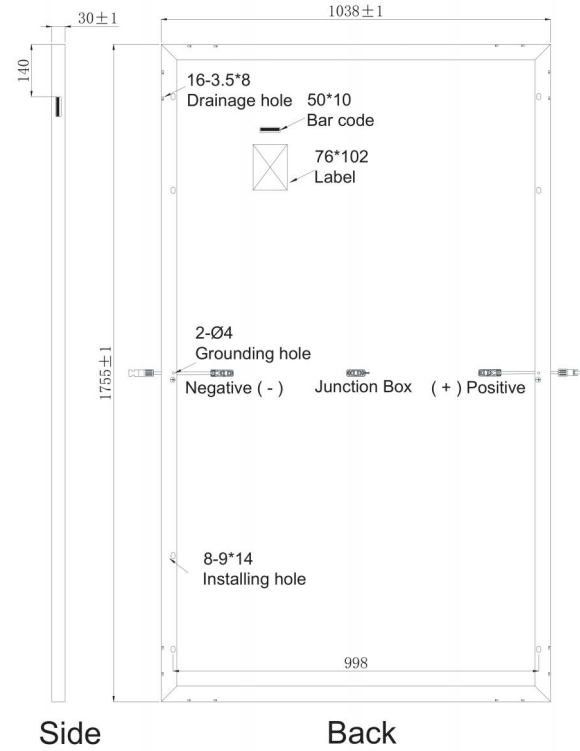
Packing Configuration

| Item | Specification |
|-----------------------|---------------|
| Container | 40'HQ |
| Pieces per pallet | 76 |
| Pallets per container | 13 |
| Pieces per container | 988 |

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, ANTI-PID, CE, WEEE, INMERTRO |
| Extreme wind and snow loads testing | Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal) |
| Power tolerance | 0~+3% |
| Junction box | IP68 |
| Warranties | 12 years product warranty and 25 years 84.8% of power |

Dimensions and Structure



I-V Curve

I-V characteristics at different irradiation

