

D6 III · 370-390W MWT Mono PERC Half-Cut Module & All Black Module

Australian Version

Manufactured in China

20.7%

Module efficiency up to 20.7%

Full Black Series MWT PV Module

- Full Black**
All black design for more elegant rooftop
- High Reliability**
Conductive back sheet 2D encapsulation without soldering, resulted lower degradation under multiple extreme testing condition
- High ROI**
Higher return on investment with higher power output
- High Efficiency**
MWT back contact cell and modules with busbar-free design and higher efficiency
- Superior Warranty**
The only single-glass module with 30-year power warranty by LLOYD'S & PICC worldwide
- Lead Free**
Eco-friendly PV design achieves Lead-free without soldering materials

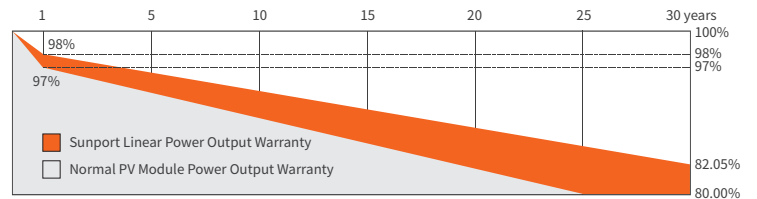
Reinsurance Coverage for 30 Years

12 year
Quality
Warranty

30 year
Performance
Warranty

Insured by PICC and LLOYD'S

PICC LLOYD'S



※1st year degradation less than 2%, 30 years linear power output 82.05% guaranteed.

Comprehensive Qualifications & Certifications

- ★CQC Top Runner Advanced Technology Certification (4A class)
- ★TUV NORD Certification
- ★ISO 9001:2015 Quality Management System
- ★ISO 14001:2015 Environment Management System
- ★ISO 45001: 2018 Occupation Health Safety Management System



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Electrical Characteristics at Standard Test Conditions(STC)

| Spec/Model | Unit | SPP370NHFH | SPP375NHFH | SPP380NHFH | SPP385NHFH | SPP390NHFH |
|----------------------------|------|------------|------------|------------|------------|------------|
| Max-Power(Pm) | W | 370 | 375 | 380 | 385 | 390 |
| Power Tolerance | | | | 0~+3% | | |
| Max-Power Voltage(Vm) | V | 36.2 | 36.3 | 36.4 | 36.5 | 36.6 |
| Max-Power Current(Im) | A | 10.23 | 10.34 | 10.44 | 10.55 | 10.66 |
| Open-Circuit Voltage(Voc) | V | 44.9±3% | 45.0±3% | 45.1±3% | 45.2±3% | 45.3±3% |
| Short-Circuit Current(Isc) | A | 10.62±5% | 10.70±5% | 10.78±5% | 10.85±5% | 10.92±5% |
| Module Efficiency(ηm) | % | 19.7 | 19.9 | 20.2 | 20.4 | 20.7 |

STC: AM=1.5, Irradiation 1000W/m², Module Temperature 25°C

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

| Spec/Model | Unit | SPP370NHFH | SPP375NHFH | SPP380NHFH | SPP385NHFH | SPP390NHFH |
|----------------------------|------|------------|------------|------------|------------|------------|
| Max-Power(Pm) | W | 279 | 282 | 286 | 290 | 294 |
| Max-Power Voltage(Vm) | V | 34.3 | 34.4 | 34.5 | 34.6 | 34.7 |
| Max-Power Current(Im) | A | 8.14 | 8.21 | 8.29 | 8.39 | 8.48 |
| Open-Circuit Voltage(Voc) | V | 42.2 | 42.3 | 42.4 | 42.5 | 42.6 |
| Short-Circuit Current(Isc) | A | 8.56 | 8.64 | 8.73 | 8.82 | 8.92 |

NMOT: Irradiation 800W/m², Ambient temperature 20°C, Wind Speed 1m/s

Temperature Coefficient

| | |
|--------------------------------------|-----------|
| Nominal Module Operating Temperature | 43±2°C |
| Temperature coefficient of Pmax | -0.36%/°C |
| Temperature coefficient of Voc | -0.28%/°C |
| Temperature coefficient of Isc | 0.06%/°C |

Package

| Transportation | Container Size | Quantity(pcs) | Quantity(per pallet) |
|----------------|----------------|---------------|----------------------|
| Container | 40'HQ | 864 / 912 | 36 |

Mechanical Characteristics

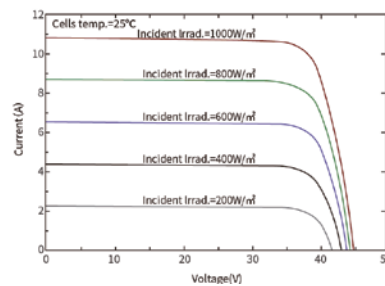
| | |
|------------------|---|
| Dimension(L×W×H) | 1855mmx1015mmx30mm |
| Weight | 20.5kg |
| Glass Type | High Transmittance Anti-reflective Coated Tempered Glass /3.2mm |
| Solar Cell | 132(22x6) / Mono / 162.75*81.375mm |
| Encapsulant | EVA |
| Frame | Anodized Aluminum Alloy / Silver / Black |
| Junction Box | IP67 / IP68 |
| Cable | 4mm ² , 350mm (+) / 150mm (-)or Customized Length |
| Connector | TL-CABLE01S QC4.10-cd |

Operating Conditions

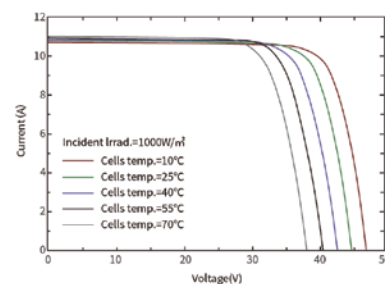
| | |
|-----------------------------|---|
| Max System Voltage | 1500V(TUV) |
| Max Fuse Rated Current | 15A |
| Operating Temperature Range | -40°C~+85°C |
| Mechanical Load | 5400Pa (front) /2400Pa (rear) |
| Max Allowable Hail Load | φ25mm hail, from 1m of distance at 23 m/s |
| Application Class | Class A |
| Fire Safety Class | Class C according to ANSI/UL 1703-2018 |

I-V Curve

I-V Curve at different irradiation (SPP380NHFH)



I-V Curve at different irradiation (SPP380NHFH)



Module Size

