

**Full-Black Series**

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

**20.7%**

Module efficiency up to 20.7%

### Full Black Series MWT PV Module

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

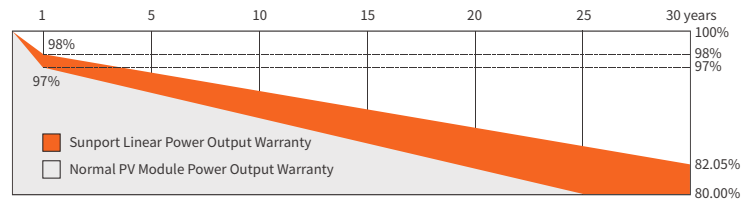
### Reinsurance Coverage for 30 Years

**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% 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	W			0~+5		
Max-Power Voltage(Vm)	V	36.2	36.3	36.4	36.5	36.6
Max-Power Current(I <sub>m</sub> )	A	10.23	10.34	10.44	10.55	10.66
Open-Circuit Voltage(Voc)	V	44.9	45.0	45.1	45.2	45.3
Short-Circuit Current(I <sub>sc</sub> )	A	10.62	10.70	10.78	10.85	10.92
Module Efficiency(η <sub>m</sub> )	%	19.7	19.9	20.2	20.4	20.7

STC: AM=1.5, Irradiation 1000W/m<sup>2</sup>, 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(I <sub>m</sub> )	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(I <sub>sc</sub> )	A	8.56	8.64	8.73	8.82	8.92

NMOT: Irradiation 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind Speed 1m/s

## Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of P <sub>max</sub>	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of I <sub>sc</sub>	0.06%/°C

## Package

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

## Mechanical Characteristics

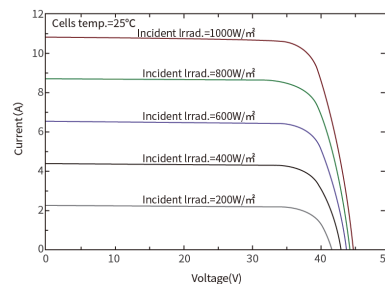
Dimension(L×W×H)	1855mmx1015mmx30mm
Weight	20.5kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass /3.2mm
Solar Cell	132(22x6) / Mono / 162.75*81.375mm
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Black
Junction Box	IP67 / IP68
Cable	4mm <sup>2</sup> , 350mm (+) / 150mm (-)or Customized Length
Connector	MC4 Compatible

## Operating Conditions

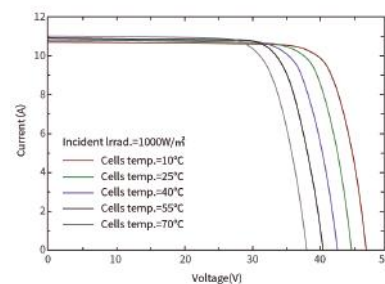
Max System Voltage	1500V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C~+85°C
Mechanical Load	5400Pa (front) /2400Pa (rear)
Max Allowable Hail Load	φ25mm hail, from 1m of distance at 23 m/s
Application Class	Class A

## I-V Curve

I-V Curve at different irradiation (SPP380NHFH)



I-V Curve at different irradiation (SPP380NHFH)



## Module Size

