



Flex Series

S-FLEX 1 II · 95-100W  
MWT Mono PERC Flexible Module

**18.06%**  
Module efficiency up to 18.06%

### Flexible PV Module

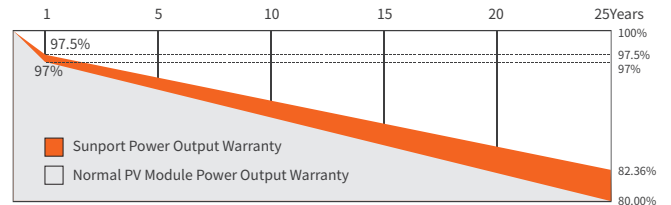
- Light, Thin Design**  
1.4mm thickness, 1.4kg weight, leading level in PV industry
- BIPV Application**  
Further integrate with buildings in terms of shape and installation for BIPV application
- High Reliability**  
Conductive back sheet 2D encapsulation without soldering, resulted lower degradation under multiple extreme testing condition

- Ultra Flexible**  
Ultra-thin silicon wafers with advanced organic polymer encapsulation materials
- High Efficiency**  
MWT back contact cell and modules with busbar-free design and higher efficiency
- Lead Free**  
Eco-friendly PV design achieves Lead-free MWT module without soldering materials

### Reinsurance Coverage for 25 Years



Insured by LLOYD'S  
**LLOYD'S**



※1st year degradation less than 2.5%, 25 years power output 82.36% guaranteed.

### Comprehensive Qualifications & Certifications

- ★ ISO 9001: 2015 Quality Management System
- ★ ISO 14001: 2015 Environment Management System

- ★ ISO 45001: 2018 Occupation Health Safety Management System



## Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP95N36HS	SPP100N36HS
Max-Power(Pm)	W	95	100
Power Tolerance	W	0~+5	
Max-Power Voltage(Vm)	V	19.80	20.23
Max-Power Current(I <sub>m</sub> )	A	4.82	4.96
Open-Circuit Voltage(Voc)	V	23.87	24.31
Short-Circuit Current(I <sub>sc</sub> )	A	5.07	5.22
Module Efficiency(η <sub>m</sub> )	%	17.15	18.06
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	SPP95N36HS	SPP100N36HS
Max-Power(P <sub>m</sub> )	W	71	75
Max-Power Voltage(V <sub>m</sub> )	V	18.2	18.62
Max-Power Current(I <sub>m</sub> )	A	3.91	4.04
Open-Circuit Voltage(Voc)	V	22.16	22.56
Short-Circuit Current(I <sub>sc</sub> )	A	4.17	4.29
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

## Mechanical Characteristics

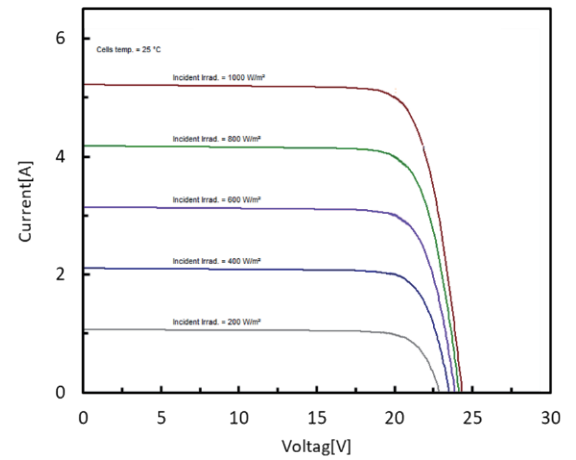
Dimension(L×W×H)	1065mm×520mm×1.4mm
Weight	1.4kg
Back material	Back Sheet(white)
Cell	36(12x3) / Mono PERC / 162.75*81.375mm / φ223mm
Encapsulant	EVA / POE
Frame	None
Junction box(Protection degree)	IP67
Cable (length/cross-section area)	Customizable / 4mm <sup>2</sup>
Connector	MC4 Compatible

## Operating Conditions

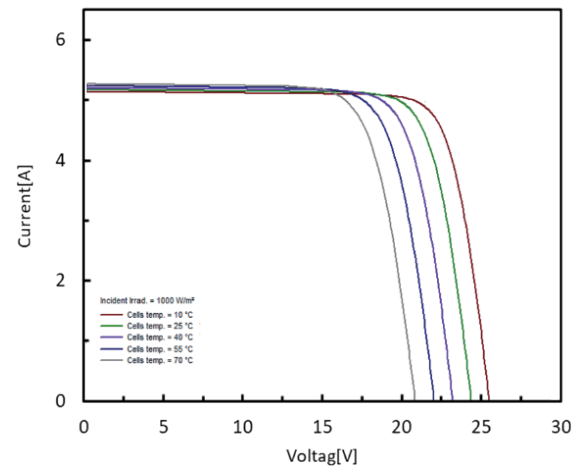
Max. system voltage	DC1000V(TUV)
Max. series fuse rating	15A
Operating temperature range	-40°C~+85°C

## I-V Curve

I-V Curves of SPP100N36HS at different irradiance



I-V Curves of SPP100N36HS at different cell temperature



## Module Size

