



**18.3%**

Module efficiency

**3year**

Quality/Performance Warranty

# S-FLEX · 100-105W

## MWT Mono PERC Flexible Module



★ ISO 9001: 2015 Quality Management System  
 ★ ISO 45001: 2018 Occupation Health Safety Management System  
 ★ ISO 14001: 2015 Environment Management System

### Features

- Light, Thin design**  
1.4kg weight, match various requirements for low-load projects
- High Efficiency And Reliability**  
Busbar-free design increases cell conversion efficiency, more power output can be achieved at low irradiance conditions
- Customizable**  
Customized design for different scenarios
- Convenient Installation**  
Easy installation and convenient transportation with lower cost
- Ultra Flexible**  
Ultra-thin silicon wafers with advanced organic polymer encapsulation materials, minimum bending radius reach 0.30m, fit all kinds of curved surface perfectly
- Lead-free**  
Eco-friendly PV design achieves lead-free MWT module without soldering materials

### Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP100QH36S	SPP105QH36S
Max-Power(Pm)	W	100	105
Power Tolerance	W	0~+5	
Max-Power Voltage(Vm)	V	20.4	20.6
Max-Power Current(Im)	A	4.91	5.11
Open-Circuit Voltage(Voc)	V	24.6	24.8
Short-Circuit Current(Isc)	A	5.22	5.42
Effective Module Efficiency(ηm)	%	17.5	18.3

STC: AM=1.5, Irradiation 1000W/m<sup>2</sup>, Module Temperature 25°C

### Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

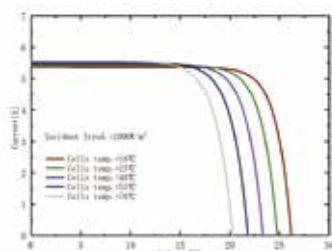
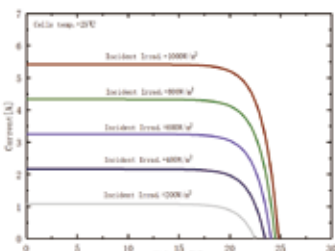
Spec/Model	Unit	SPP100QH36S	SPP105QH36S
Max-Power(Pm)	W	72	76
Max-Power Voltage(Vm)	V	18.5	18.7
Max-Power Current(Im)	A	3.89	4.06
Open-Circuit Voltage(Voc)	V	22.5	22.7
Short-Circuit Current(Isc)	A	4.21	4.38

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

### I-V Curve

I-V Curves of SPP105QH36S at different irradiance

I-V Curves of SPP105QH36S at different cell temperature



### 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

### Mechanical Characteristics

Installation Module Dimension (L×W×H)	1075mm×535mm×1.7mm
Weight	1.4 kg
Back material	Back Sheet(black/white)
Cell (quantity / material / type / dimensions)	36(3x12)/Mono/166*83mm/φ223mm
Frame	None
Cable (length/cross-section area)	Customizable/ 4mm <sup>2</sup>
Junction box(Protection degree)	IP68
Connector	MC4 Compatible

### Module Size

