

2

# Flexible Panels

High efficiency solar energy

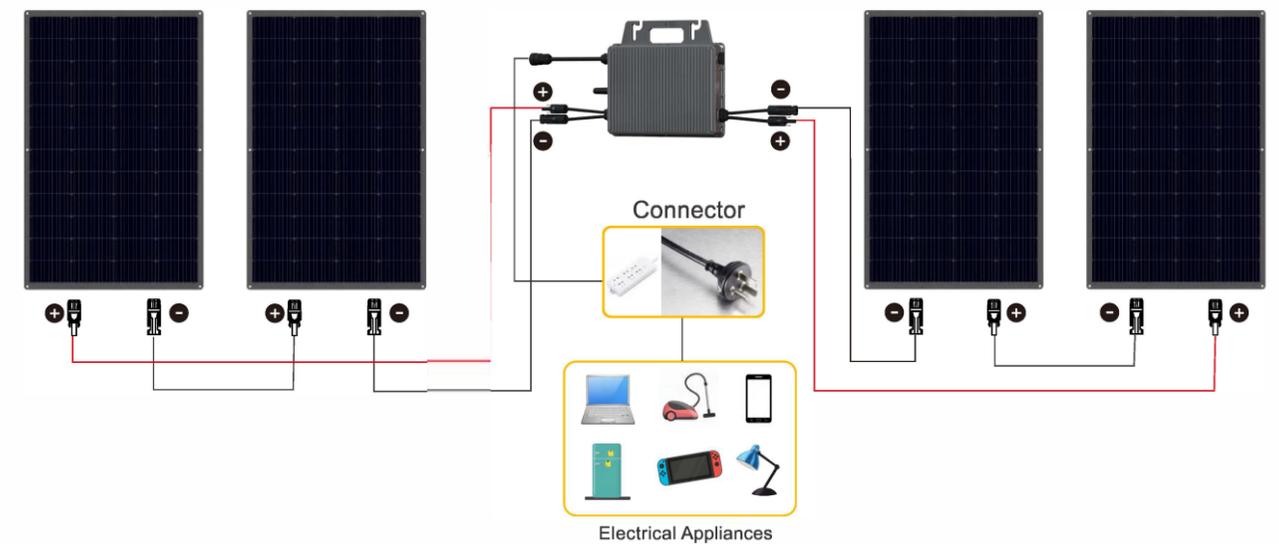


Suitable for Round Balconies or Roofs or Rvs

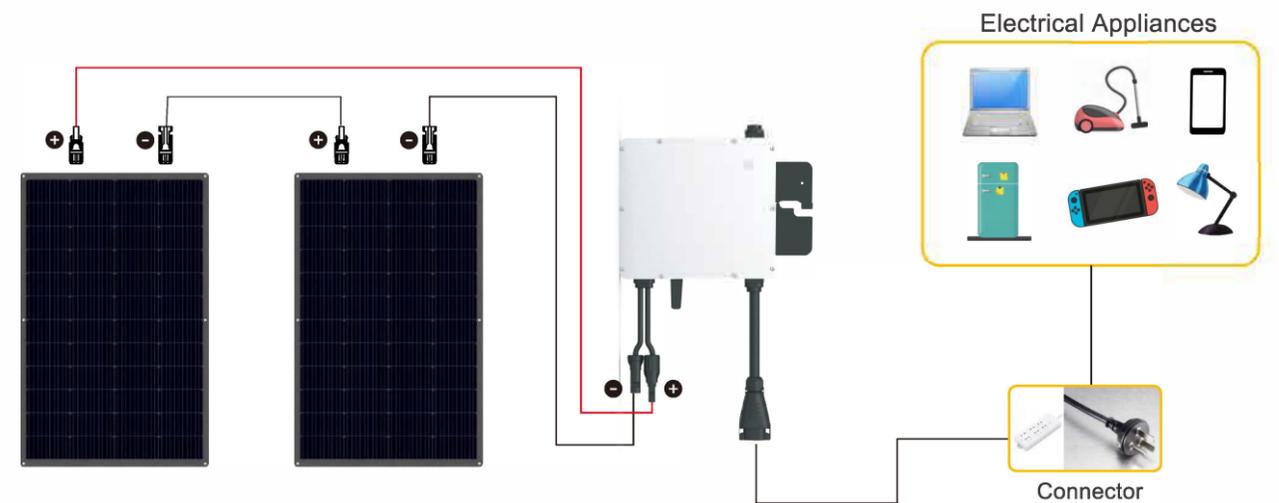


## System connection

- Four-piece connection of photovoltaic module:



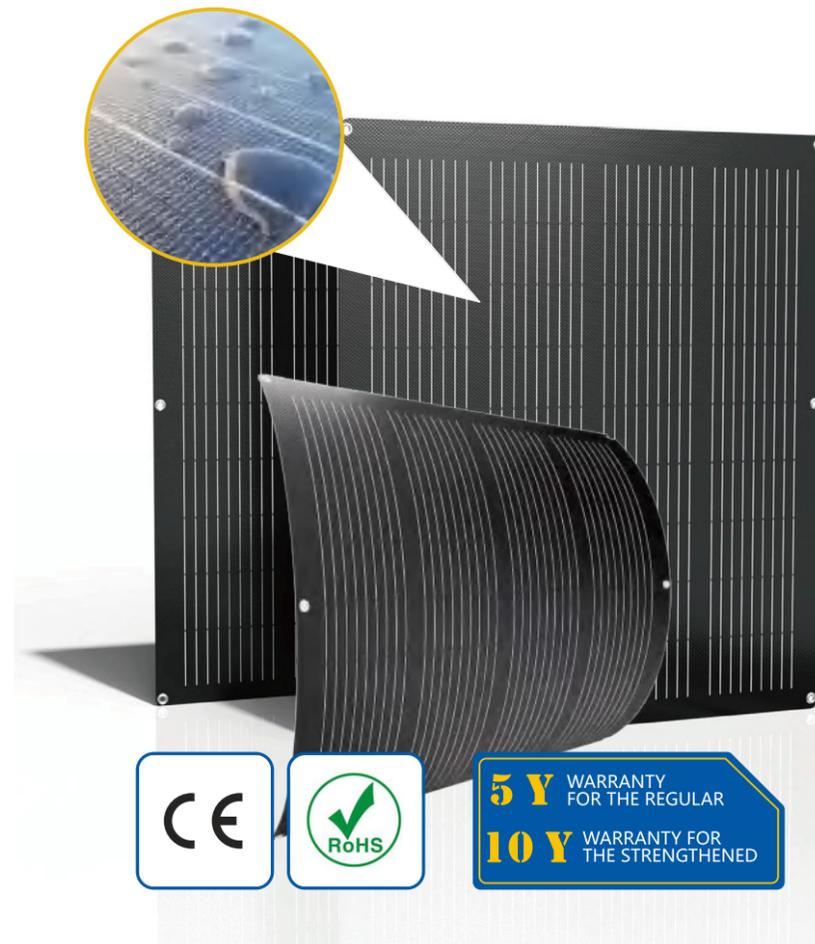
- Two-piece connection of photovoltaic module:



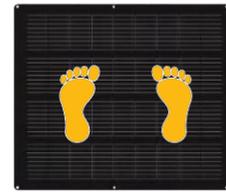
- Packing Solution



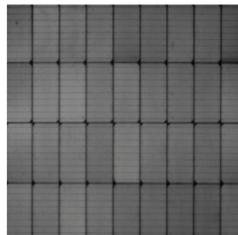
# Flexible component Material



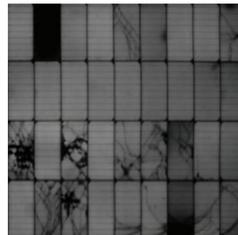
**5 Y** WARRANTY FOR THE REGULAR  
**10 Y** WARRANTY FOR THE STRENGTHENED



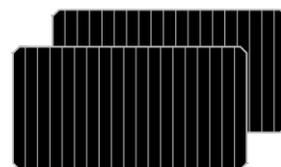
Trampling Test



**With Special material**  
 (Cells remain intact, durability is assured)



**Without Special material**  
 (Broken cells, poor durability)



182\*95.8mm

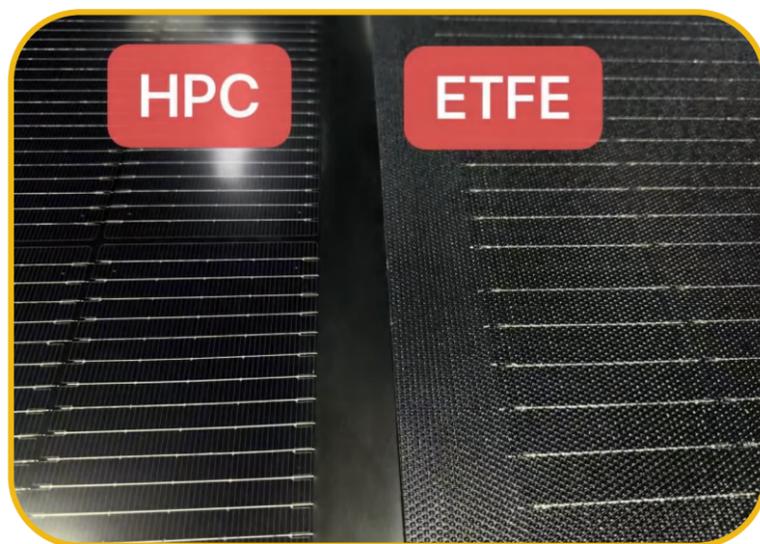


**Stainless Steel**  
 Reinforced Mounting Holes



**Solar panel Connector**  
 Connectors with cables

## Surface Material Comparison



# Why Choose HPC? Cheap & Practical

## Other Quality

## Our Quality

Material:PET	Material:HPC/ETFE
Smooth Surface	Uneven Surface(Secondary Refraction)
1-2Years	5Years-10Years

Our products do not appear in the following cases



## APPLICATION SCENARIOS



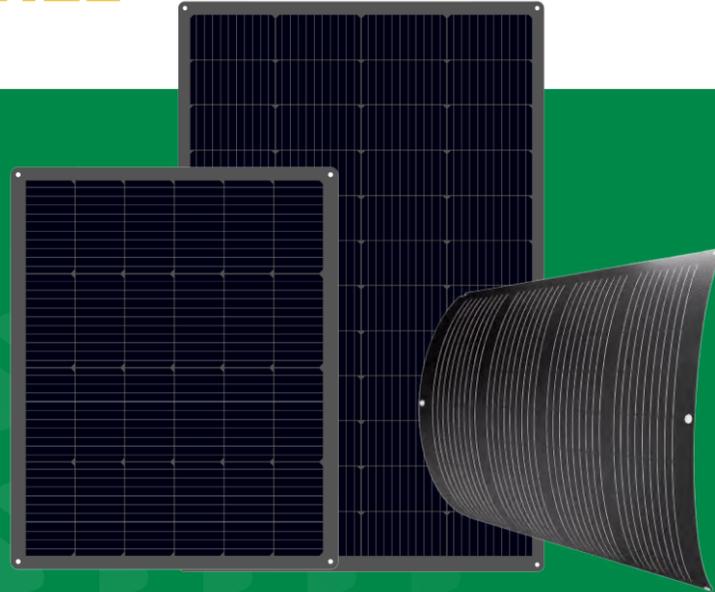
# FLEXIBLE SOLAR PANEL

SAFE AND RELIABLE | SUPER DURABLE | HIGH-EFFICIENCY AND HIGH INCOME

## SP100W-210W

HIGH-EFFICIENCY AND LIGHTWEIGHT PHOTOVOLTAIC MODULES

25 YEARS OF SHINING IN THE RENEWABLE ENERGY WORLD UNFADINGLY



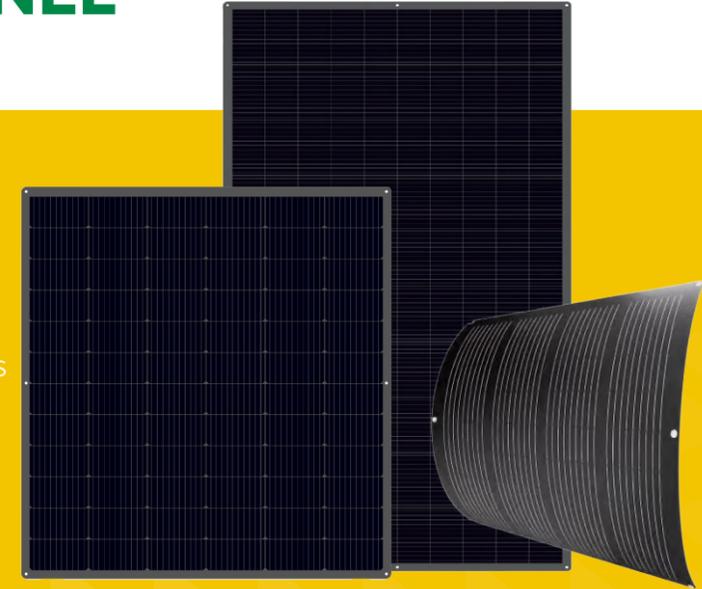
# FLEXIBLE SOLAR PANEL

SUPER DURABLE | SAFE AND RELIABLE | HIGH-EFFICIENCY AND HIGH INCOME

## SP300W-500W

HIGH-EFFICIENCY AND LIGHTWEIGHT PHOTOVOLTAIC MODULES

25 YEARS OF SHINING IN THE RENEWABLE ENERGY WORLD UNFADINGLY



### ELECTRICAL PERFORMANCE

Model Type	SP 100W-12M	SP160W-20M	SP 200W-12M	SP210W-13M
Peak Power at STC (Pmax)	100	160	200	210
Power Tolerance	0~±3%	0~±3%	0~±3%	0~±3%
Maximum Power Voltage (Vmp)	13.50	23.20	13.92	15.08
Maximum Power Current (Imp)	7.41	6.90	14.37	13.93
Open Circuit Voltage (Voc)	16.37	27.29	16.32	17.74
Short Circuit Current (Isc)	7.93	7.38	15.19	14.90
Module Efficiency(%)	19.63	19.57	20.50	19.97

### MECHANICAL PROPERTY

Dimensions	645*790*3mm	1035*790*3mm	1235*790*3mm	1330*790*3mm
Weight	1.86kg	2.98kg	3.56kg	3.84kg
No. of Cells	24(4*6)	40(4*10)	48(4*12)	52(4*13)
Lamination	ETFE/HPC	ETFE/HPC	ETFE/HPC	ETFE/HPC
Cell Type	182*95.8Mono	182*95.8Mono	182*95.8Mono	182*95.8Mono
MaxWind Load/Snow Load	2400Pa/5400Pa	2400Pa/5400Pa	2400Pa/5400Pa	2400Pa/5400Pa
Junction box	IP65/IP67	IP65/IP67	IP65/IP67	IP65/IP67
Output cables	2.5mm <sup>2</sup> cable 50cm+mc4	2.5mm <sup>2</sup> cable 50cm+mc4	4mm <sup>2</sup> cable 90cm+mc4	4mm <sup>2</sup> cable 90cm+mc4

TYPICAL ELECTRICAL CHARACTERISTIC AT STANDARD TEST CONDITIONS(STC) STC:AM=1.5, irradiance1000W/m<sup>2</sup> Cell Temperature 25°C

### ELECTRICAL PERFORMANCE

Model Type	SP300W-36M	SP400W-25M	SP500W-30M
Peak Power at STC (Pmax)	300	400	500
Power Tolerance	0~±3%	0~±3%	0~±3%
Maximum Power Voltage (Vmp)	41.76	29.05	34.80
Maximum Power Current (Imp)	7.19	13.77	14.37
Open Circuit Voltage (Voc)	49.13	34.18	40.94
Short Circuit Current (Isc)	7.68	14.73	15.37
Module Efficiency(%)	21.03	19.62	20.52

### MECHANICAL PROPERTY

Dimensions	1230*1160*3mm	1895*1076*3mm	2265*1076*3mm
Weight	5.21kg	7.42kg	8.45kg
No. of Cells	72(6*12)	100(10*10)	120(12*10)
Lamination	ETFE/HPC	ETFE/HPC	ETFE/HPC
Cell Type	182*95.8Mono	182*95.8Mono	182*95.8Mono
MaxWind Load/Snow Load	2400Pa/5400Pa	2400Pa/5400Pa	2400Pa/5400Pa
Junction box	IP65/IP67	IP65/IP67	IP65/IP67
Output cables	4mm <sup>2</sup> cable 90cm+mc4	4mm <sup>2</sup> cable 90cm+mc4	4mm <sup>2</sup> cable 90cm+mc4

TYPICAL ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS(STC) STC: AM=1.5, irradiance1000W/m<sup>2</sup> Cell Temperature 25°C