

# Flexible Solar Panel





# Flexible Solar Panel

## Solarparts Series





**Flexible Solar Panel**  
**Xinpuguang Series**



## Solarparts@\_Flexible Series Solar Panels

\*Standard test conditions: irradiance 1000W/m<sup>2</sup>, component temperature 25°C, wind speed 0m/s, AM=1.5

Cell type	Pmax(W)	Vmp(V)	Imp(A)	Voc(V)	Isc(A)	Performance Tolerance	Size(mm)	Weight (kg/pcs)	Packing (mm)	Efficiency	40 "high cabinet (L:12M*W:2.34M*H:2.69)
Sunpower	50W	17.6	2.84	21.12	3.124	± 5%	555*535*3	1.153	575*545*30 Single and double pieces/box	20%	Single piece/box: 5544pcs/cabinet Double pieces/box: 11088pcs/cabinet
Sunpower	100W	17.6	5.68	21.12	6.248	± 5%	1050*540*3	2.306	1070*550*30 Single and double pieces/box	20%	Single piece/box: 2772pcs/cabinet Double pieces/box: 5544pcs/cabinet Single piece/box: 5544pcs/cabinet
Sunpower	150W	29.7	5.05	35.64	5.555	± 5%	555*535*3	3.459	1205*805*30 Single and double pieces/box	20%	150WSingle piece/box: 1386pcs/cabinet 100WSingle piece/box: 770pcs/cabinet 150W and 100W combined cabinet 150WDouble pieces/box: 2772pcs/cabinet 100WDouble pieces/box: 1540pcs/cabinet
Sunpower	180W	33	5.45	39.6	5.99	± 5%	1315*795*3	4.1508	1335*805*30 Single and double pieces/box	20%	180W and 100W combined cabinet 180WSingle piece/box: 1232pcs/cabinet 100WSingle piece/box: 770pcs/cabinet 180W and 100W combined cabinet 180WDouble pieces/box: 2464pcs/cabinet 100WDouble pieces/box: 1540pcs/cabinet



## Solarparts@\_Sandwich\_Flexible Series Solar Panels

\*Standard test conditions: irradiance 1000W/m<sup>2</sup>, component temperature 25°C, wind speed 0m/s, AM=1.5

Cell type	Pmax(W)	Vmp(V)	Imp(A)	Voc(V)	Isc(A)	Performance Tolerance	Size(mm)	Weight (kg/pcs)	Packing (mm)	Efficiency	40 'high cabinet (L:12MXW:2.34M+H:2.69)
166 Mono	50W	18.7	2.67	22.44	2.91	± 5%	830*370*4	1.585	845*380*22 1 piece/box	20%	Single piece/box: 6700pcs/cabinet
166 Mono	100W	19.25	5.19	23.1	5.709	± 5%	1065*545*4	2.995	1080*555*22 1 piece/box	20%	Single piece/box: 3600pcs/cabinet
166 Mono	150W	19.25	7.79	23.1	8.569	± 5%	1175*710*4	2.995	1080*555*22 1 piece/box	20%	Single piece/box: 3600pcs/cabinet

## Xinpuguang@\_Flexible Series Solar Panels

\*Standard test conditions: irradiance 1000W/m<sup>2</sup>, component temperature 25°C, wind speed 0m/s, AM=1.5

Cell type	Pmax(W)	Vmp(V)	Imp(A)	Voc(V)	Isc(A)	Performance Tolerance	Size(mm)	Weight (kg/pcs)	Packing (mm)	Efficiency	40 'high cabinet (L:12MXW:2.34M+H:2.69)
156 Mono	10W	18	0.56	21.6	0.61	± 5%	440*190*2.5	0.32	450*200*23 1 piece/box	20%	Single piece/box: 19000pcs/cabinet
125 Mono	20W	16	1.25	19.2	1.38	± 5%	540*280*2.5	0.64	560*290*23 1 piece/box	18%	Single piece/box: 11400pcs/cabinet
125 Mono	30W	5	6	6	5.5	± 5%	675*280*3	0.96	695*290*23 1 piece/box	20%	Single piece/box: 9120pcs/cabinet
156 Mono	40W	18	2.2	21.6	2.44	± 5%	575*500*3	1.28	595*510*23 1 piece/box	20%	Single piece/box: 6840pcs/cabinet
125 Mono	50W	16	3.12	19.2	3.43	± 5%	545*535*3	1.6	565*545*23 1 piece/box	20%	Single piece/box: 6840pcs/cabinet



## Features

### ■ Ultralight

Lighter than the traditional glass solar panels.

### ■ High efficiency

High efficiency solar cells are adopted to ensure its high charging efficiency.

### ■ Powerfully flexible

With high flexibility, is capable of meeting a wide range of applications especially on curved surface.

### ■ Long durability

With high light transmittance and excellent outdoor performance.

### ■ Low degradation

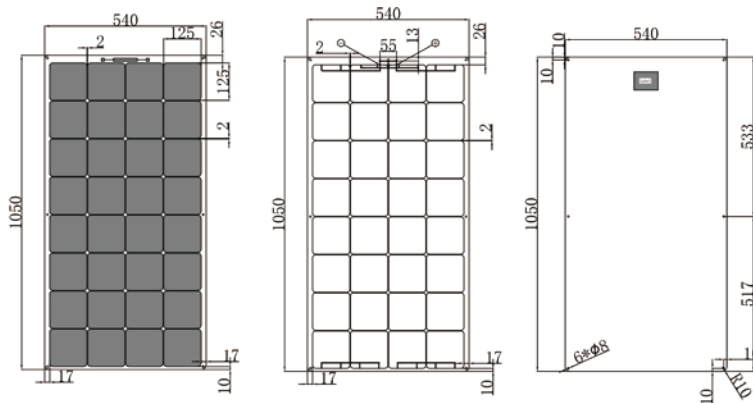
With IP65 junction box, resist power loss due to bending and squeezing.

### ■ Good weather resistance

Packaged with TPT/PET/ETFE/EVA to ensure its excellent weather resistance.



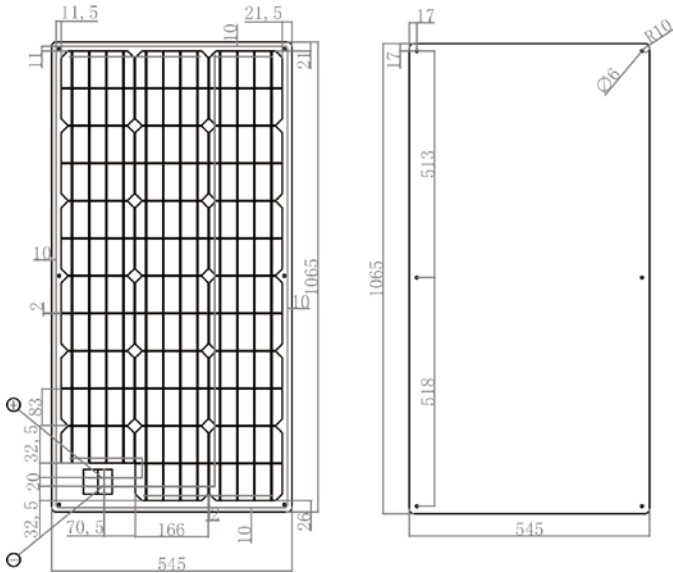
## Solarparts@\_Flexible Series Solar Panels



### Mechanical Diagrams

# Panel 100w

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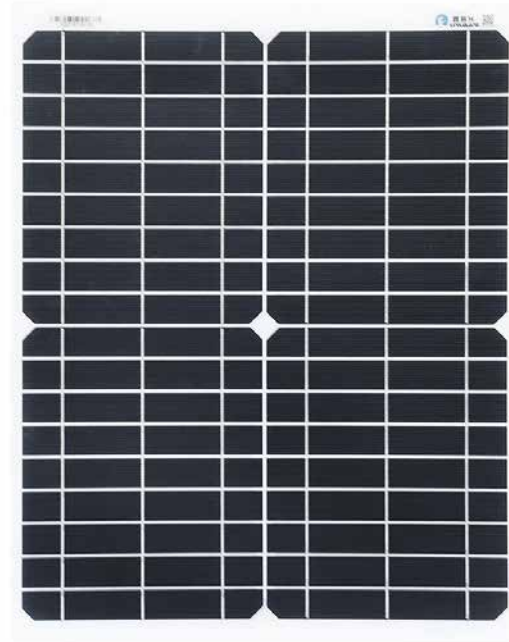
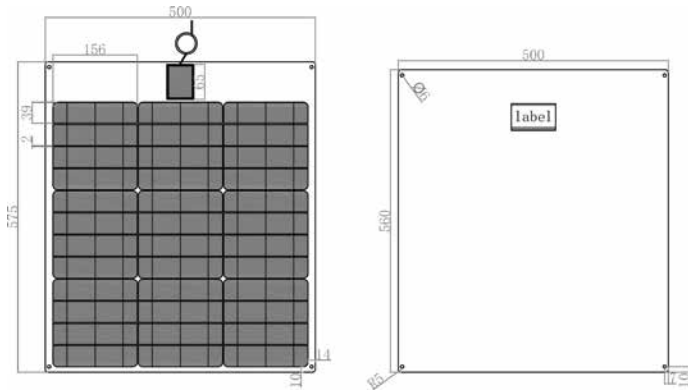


### Mechanical Diagrams

# Panel 100w



## Xinpuguang@\_Flexible Series Solar Panels



### Mechanical Diagrams

# Panel 40w

“Mission:

**Absorbing Sunshine  
Focusing Energy**

Returning the earth to a clean place”

**SOLAR**Parts®  
For Consumable Energies

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