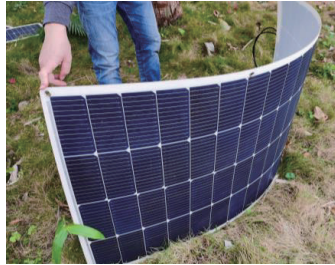


Features



2.5mm thick only



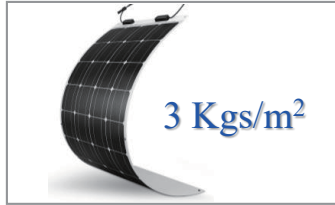
Bent up to 30°



IP68 junction-box



Weather resistant ETFE
Quick install Eyelets



Light Weight



Easy to install

Application Scenario



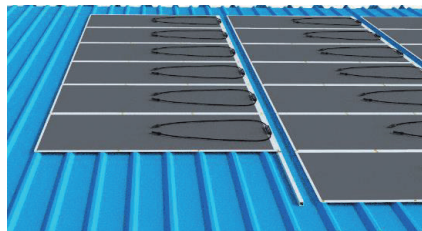
On RV



On Boat



On Canopy









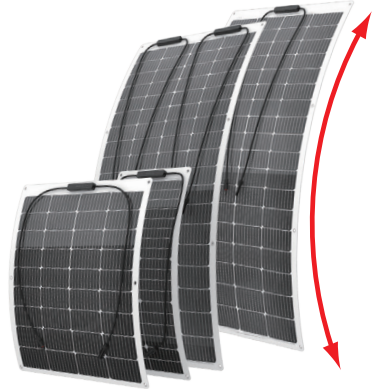
On rooftop



TPS-FLX Flexible Solar Panel MONO 166-50W

Feature

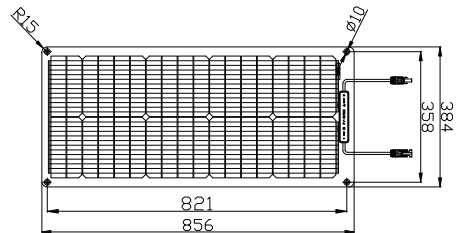
-  High efficient solar panel with Mono-Perc technology.
-  Improved manufacturing process with special encapsulant material, to better resist solar cell micro crack issue while bending.
-  Easy to install. Simply secure the solar panel through the built in mounting eyelets, or glue.
-  Bendable up to 30 degree. Adaptable to all kinds of curved surface.
-  Light wight, Suitable to be installed on rooftops with weight limit issue.
-  2.5mm thick only.



Mechanical specification

Solar Cell type	MONO 166×41.5mm
Number of solar cell	36pcs
Solar panel dimension	384×856×2.5mm
Solar panel color option	White/Black
Bending angle	30°
Connector	MC4 compatible
Cable	Length 0.9m
Junction box IP rating	IP68
Weight	1.1KG

Drawing



Technical Performance

Under stand testing condition: AM 1.5, 1000W/m², Module Temperature 25°C Power







Model number	TPS-FLX-166-50W
Power Max (Pmax)	50W(±3%)
Short circuit current (Isc)	2.63A
Open voltage (Voc)	24.35V
Working current (Imp)	2.43A
Working voltage (Vmp)	20.58V

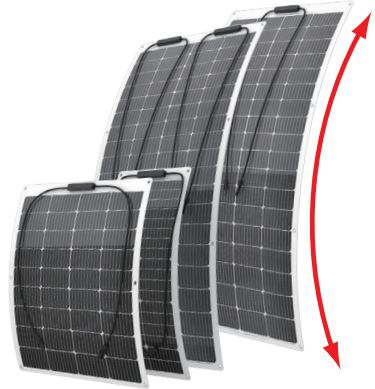
Operating conditions

Max.system voltage	DC600V
Max.series fuse rating	10A
Operating temperature range	-40°C~+85°C

TPS-FLX Flexible Solar Panel MONO 166-100W

Feature

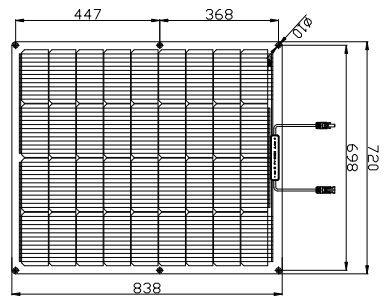
-  High efficient solar panel with Mono-Perc technology.
-  Improved manufacturing process with special encapsulant material, to better resist solar cell micro crack issue while bending.
-  Easy to install. Simply secure the solar panel through the built in mounting eyelets, or glue.
-  Bendable up to 30 degree. Adaptable to all kinds of curved surface.
-  Light weight, Suitable to be installed on rooftops with weight limit issue.
-  2.5mm thick only.



Mechanical specification

Solar Cell type	MONO 166×83mm
Number of solar cell	36pcs
Solar panel dimension	720×838×2.5mm
Solar panel color option	White/Black
Bending angle	30°
Connector	MC4 compatible
Cable	Length 0.9m
Junction box IP rating	IP68
Weight	2.25KG

Drawing



Technical Performance

Under stand testing condition: AM 1.5, 1000W/m², Module Temperature 25°C Power







Model number	TPS-FLX-166-100W
Power Max (Pmax)	100W(±3%)
Short circuit current (Isc)	5.26A
Open voltage (Voc)	24.35V
Working current (Imp)	4.86A
Working voltage (Vmp)	20.58V

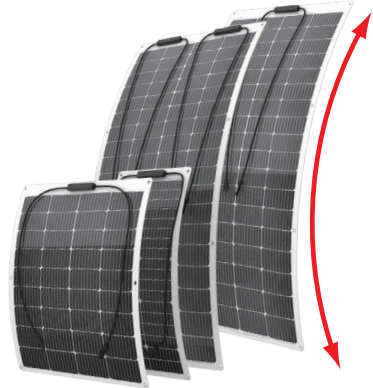
Operating conditions

Max.system voltage	DC600V
Max.series fuse rating	10A
Operating temperature range	-40°C~+85°C

TPS-FLX Flexible Solar Panel MONO 166-200W

Feature

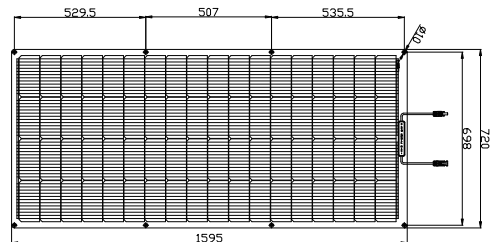
-  High efficient solar panel with Mono-Perc technology.
-  Improved manufacturing process with special encapsulant material, to better resist solar cell micro crack issue while bending.
-  Easy to install. Simply secure the solar panel through the built in mounting eyelets, or glue.
-  Bendable up to 30 degree. Adaptable to all kinds of curved surface.
-  Light wight, Suitable to be installed on rooftops with weight limit issue.
-  2.5mm thick only.



Mechanical specification

Solar Cell type	MONO 166×83mm
Number of solar cell	72pcs
Solar panel dimension	720×1595×2.5mm
Solar panel color option	White/Black
Bending angle	30°
Connector	MC4 compatible
Cable	Length 0.9m
Junction box IP rating	IP68
Weight	3.92KG

Drawing



Technical Performance

Under stand testing condition: AM 1.5, 1000W/m², Module Temperature 25°C Power

Model number	TPS-FLX-166-200W
Power Max (Pmax)	200W(±3%)
Short circuit current (Isc)	10.53A
Open voltage (Voc)	24.35V
Working current (Imp)	9.72A
Working voltage (Vmp)	20.58V

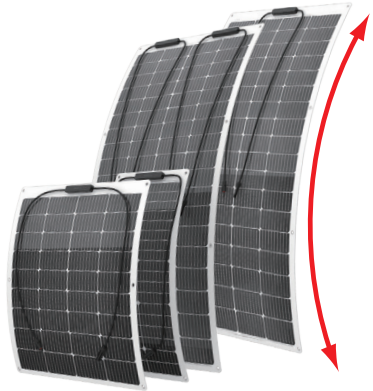
Operating conditions

Max.system voltage	DC1000V
Max.series fuse rating	10A
Operating temperature range	-40°C~+85°C

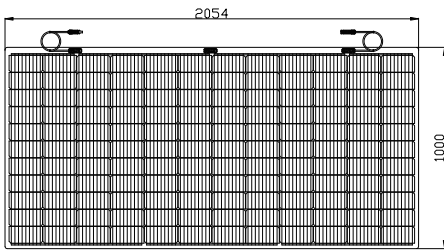
TPS-FLX Flexible Solar Panel MONO 166-370W-380W

Feature

- High efficient solar panel with Mono-Perc technology.
- Improved manufacturing process with special encapsulant material, to better resist solar cell micro crack issue while bending.
- Easy to install. Simply secure the solar panel through the built in mounting eyelets, or glue.
- Bendable up to 30 degree. Adaptable to all kinds of curved surface.
- Light weight, Suitable to be installed on rooftops with weight limit issue.
- 2.5mm thick only.



Drawing



Mechanical specification

Solar Cell type	MONO 166×83mm
Number of solar cell	132pcs
Solar panel dimension	2054×1000×2.5mm
Solar panel color option	White/Black
Bending angle	30°
Connector	MC4 compatible
Cable	Length 0.9m
Junction box IP rating	IP68
Weight	6.5KG

Operating conditions

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







Technical Performance

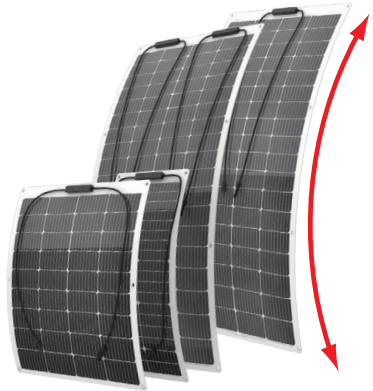
Under stand testing condition: AM 1.5, 1000W/m², Module Temperature 25°C Power

Model number	TPS-FLX-166-370W	TPS-FLX-166-375W	TPS-FLX-166-380W
Power Max (Pmax)	370W(±3%)	375W(±3%)	380W(±3%)
Working voltage (Vmp)	37.32V	37.62V	37.94V
Working current (Imp)	9.9A	9.96A	10.01A
Open voltage (Voc)	44.33V	44.57V	44.81V
Short circuit current (Isc)	11.01A	11.06A	11.1A

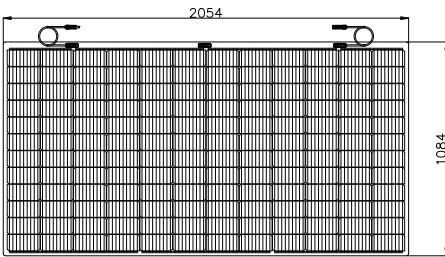
TPS-FLX Flexible Solar Panel MONO 166-400W-415W

Feature

-  High efficient solar panel with Mono-Perc technology.
-  Improved manufacturing process with special encapsulant material, to better resist solar cell micro crack issue while bending.
-  Easy to install. Simply secure the solar panel through the built in mounting eyelets, or glue.
-  Bendable up to 30 degree. Adaptable to all kinds of curved surface.
-  Light wight, Suitable to be installed on rooftops with weight limit issue.
-  2.5mm thick only.



Drawing



Mechanical specification

Solar Cell type	MONO 166×83mm
Number of solar cell	144pcs
Solar panel dimension	2054×1084×2.5mm
Solar panel color option	White/Black
Bending angle	30°
Connector	MC4 compatible
Cable	Length 0.9m
Junction box IP rating	IP68
Weight	6.6KG

Operating conditions

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

Technical Performance

Under stand testing condition: AM 1.5, 1000W/m², Module Temperature 25°C Power

Model number	TPS-FLX-166-400W	TPS-FLX-166-405W	TPS-FLX-166-410W	TPS-FLX-166-415W
Power Max (Pmax)	400W(±3%)	405W(±3%)	410W(±3%)	415W(±3%)
Open voltage (Voc)	48.17V	48.45V	48.71V	48.88V
Short circuit current (Isc)	10.98A	11.03A	11.07A	11.1A
Working voltage (Vmp)	40.48V	40.82V	41.16V	41.39V
Working current (Imp)	9.88A	9.92A	9.98A	10.01A