

Model: SF-50

Product Features

- High Efficiency: with Sunpower cell imported from USA, the efficiency can up to 21%-25%, while most monocrystalline panel is only 17%-19%. You will get greater power efficiency even though the panel is no larger than a traditional model. Importantly, no worries about charging under low temperature. The charging temperature is -20°C~70°C.

- Adopting ETFE lamination workmanship, the same encapsulation technology with thin film flexible solar production technology.

- Ensuring durability of solar panel, absorbing more light and lasting a longer life span up to 15 years under outdoor conditions

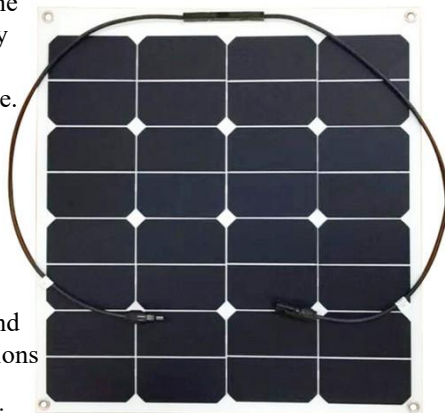
- Unique frameless design and four metal reinforced mounting holes(optional) for easy installation.

- The plastic back sheet can be curved to a maximum 30 degree arc and mounted on an RV, boat, cabin, tent, or any other irregular surface, while front ETFE film ensure a better protection and increase durability of solar panel.

- CE Certificate, Product Warranty up to 8 years.

- Wide applications for outdoor activities, such as hiking, camping, and outdoors military training etc.

Bring direct electrical charger to run devices like laptops, car,boat, and other gadgets.



50W

ETFE Lamination



Performance & Drawing

Rated Power(Pmax): 50Wp

Production Pmax Tolerance: $\pm 5\%$

Maximum Power Voltage(V): 17.6V

Maximum Power Current(A): 2.84A

Dimension: 560*536*2.5mm

Weight: 1500g

Maximum System Voltage IEC/UL(V): 1000/600

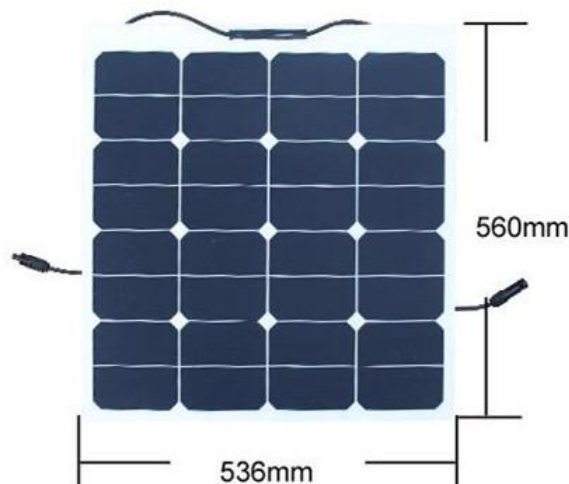
Cell Type: SUNPOWER USA

Solar Cell Efficiency: 21.50%

Module Efficiency: 16.70%

Warranty: 8 Years

Working Temperature: -20C~+70C



TECHNICAL DATA SHEET

Temperature Coefficients (at AM 1.5, 1000 W/m2 irradiance)

Temperature Coefficient (TC) of Isc: $-(0.055 \pm 0.01)\%/^{\circ}\text{C}$

Temperature Coefficient (TC) of Voc: $-(0.34 \pm 0.01)\%/^{\circ}\text{C}$

Temperature Coefficient (TC) of Pmax: $-(0.47 \pm 0.05)\%/^{\circ}\text{C}$

Nominal Operating Cell Temperature (NOCT) $45 \pm 2^{\circ}\text{C}$

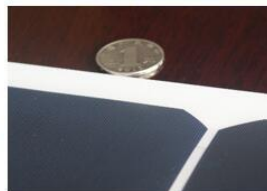
1. MC4 Connector



2. ETFE film lamination, Surface deep embossing craft, Anti rust, waterproof, durable, easy to clean.



3. Only 2.5mm thick, Light , weight; Semi Flexible.



Model: SF-100

Product Features

- High Efficiency: with Sunpower cell imported from USA, the efficiency can up to 21%-25%, while most monocrystalline panel is only 17%-19%. You will get greater power efficiency even though the panel is no larger than a traditional model. Importantly, no worries about charging under low temperature. The charging temperature is -20°C~70°C.

- Adopting ETFE lamination workmanship, the same encapsulation technology with thin film flexible solar production technology.

- Ensuring durability of solar panel, absorbing more light and lasting a longer life span up to 15 years under outdoor conditions

- Unique frameless design and four metal reinforced mounting holes(optional) for easy installation.

- The plastic back sheet can be curved to a maximum 30 degree arc and mounted on an RV, boat, cabin, tent, or any other irregular surface, while front ETFE film ensure a better protection and increase durability of solar panel.

- CE Certificate, Product Warranty up to 8 years.

- Wide applications for outdoor activities, such as hiking, camping, and outdoors military training etc.

Bring direct electrical charger to run devices like laptops, car,boat, and other gadgets.



100W

ETFE Lamination



Performance & Drawing

Rated Power(Pmax): 100Wp

Production Pmax Tolerance: $\pm 5\%$

Maximum Power Voltage(V): 17.6V

Maximum Power Current(A): 5.68A

Dimension: 1127*546*2.5mm

Weight: 2600g

Maximum System Voltage IEC/UL(V): 1000/600

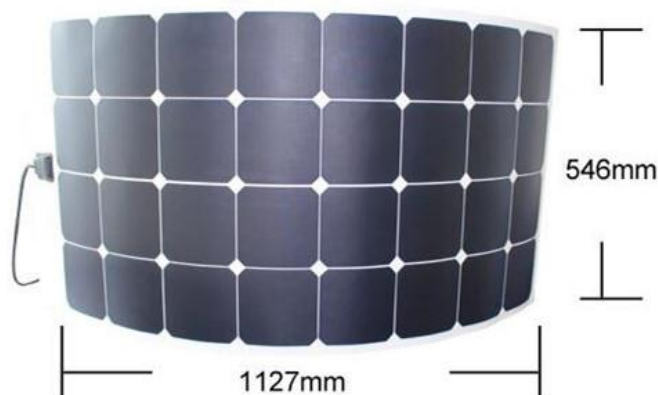
Cell Type: SUNPOWER USA

Solar Cell Efficiency: 21.50%

Module Efficiency: 16.70%

Warranty: 8 Years

Working Temperature: -20C~+70C



TECHNICAL DATA SHEET

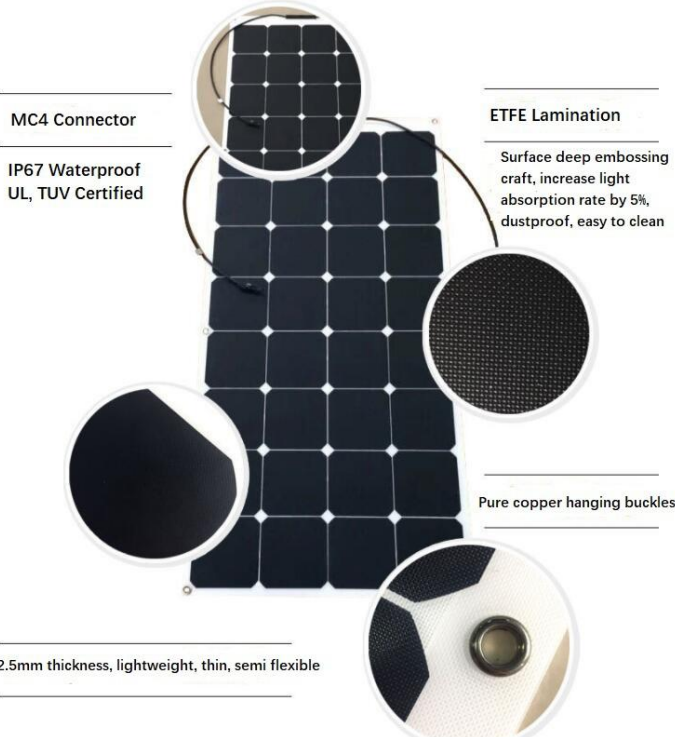
Temperature Coefficients (at AM 1.5, 1000 W/m2 irradiance)

Temperature Coefficient (TC) of Isc: $-(0.055 \pm 0.01)\%/^{\circ}\text{C}$

Temperature Coefficient (TC) of Voc: $-(0.34 \pm 0.01)\%/^{\circ}\text{C}$

Temperature Coefficient (TC) of Pmax: $-(0.47 \pm 0.05)\%/^{\circ}\text{C}$

Nominal Operating Cell Temperature (NOCT) $45 \pm 2^{\circ}\text{C}$



Product Features

- High Efficiency: with Sunpower cell imported from USA, the efficiency can up to 21%-25%, while most monocrystalline panel is only 17%-19%. You will get greater power efficiency even though the panel is no larger than a traditional model. Importantly, no worries about charging under low temperature. The charging temperature is -20°C~70°C.
 - Adopting ETFE lamination workmanship, the same encapsulation technology with thin film flexible solar production technology.
 - Ensuring durability of solar panel, absorbing more light and lasting a longer life span up to 15 years under outdoor conditions
 - Unique frameless design and four metal reinforced mounting holes(optional) for easy installation.
 - The plastic back sheet can be curved to a maximum 30 degree arc and mounted on an RV, boat, cabin, tent, or any other irregular surface, while front ETFE film ensure a better protection and increase durability of solar panel.
 - CE Certificate, Product Warranty up to 8 years.
 - Wide applications for outdoor activities, such as hiking, camping, and outdoors military training etc.
- Bring direct electrical charger to run devices like laptops, car,boat, and other gadgets.

Performance & Drawing

Rated Power(Pmax): 115Wp
Production Pmax Tolerance: $\pm 5\%$
Maximum Power Voltage(V): 19.8V
Maximum Power Current(A): 5.8A
Dimension: 565*1255*2.5mm
Weight: 2700g
Maximum System Voltage IEC/UL(V): 1000/600
Cell Type: SUNPOWER USA
Solar Cell Efficiency: 21.50%
Module Efficiency: 16.70%
Warranty: 8 Years
Working Temperature: -20C~+70C

Temperature Coefficients (at AM 1.5, 1000 W/m2 irradiance)

Temperature Coefficient (TC) of I_{sc} : $-(0.055 \pm 0.01)\%/^{\circ}C$
Temperature Coefficient (TC) of V_{oc} : $-(0.34 \pm 0.01)\%/^{\circ}C$
Temperature Coefficient (TC) of P_{max} : $-(0.47 \pm 0.05)\%/^{\circ}C$
Nominal Operating Cell Temperature (NOCT) $45 \pm 2^{\circ}C$

MC4 Connector

IP67 waterproof degree;
UL, TUV Certified.

ETFE Lamination

Adopt surface deep embossing craft,
ETFE film lamination.
Wear resistant; Durable;
High light absorption rate.

Copper buckles for easy mounting

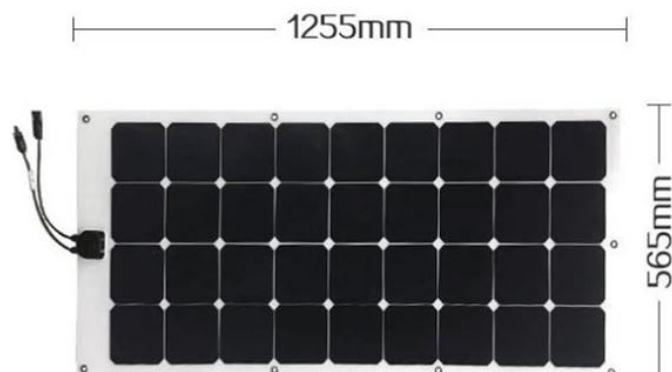
Sunpower Cell with high efficiency up to 21%

TEL: +86-15318807707 | Email: Susan@sinoltech.com | Website: www.sinoltech.com | Skype: SINOLTECH

Model: SF-115

115W

ETFE Lamination



TECHNICAL DATA SHEET



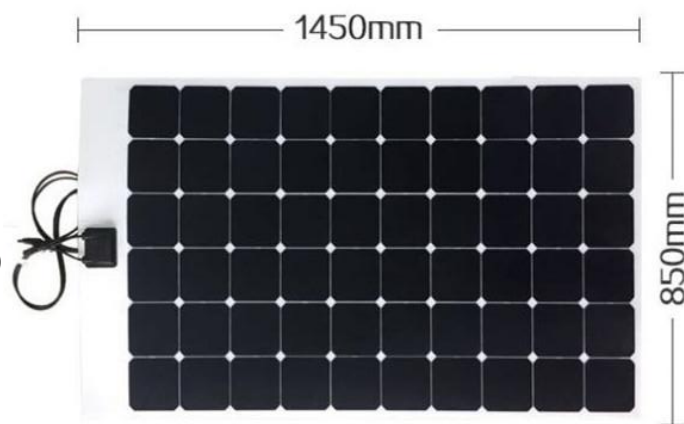
Model: SF-190

Product Features

- High Efficiency: with Sunpower cell imported from USA, the efficiency can up to 21%-25%, while most monocrystalline panel is only 17%-19%. You will get greater power efficiency even though the panel is no larger than a traditional model. Importantly, no worries about charging under low temperature. The charging temperature is -20°C~70°C.
 - Adopting ETFE lamination workmanship, the same encapsulation technology with thin film flexible solar production technology.
 - Ensuring durability of solar panel, absorbing more light and lasting a longer life span up to 15 years under outdoor conditions
 - Unique frameless design and four metal reinforced mounting holes(optional) for easy installation.
 - The plastic back sheet can be curved to a maximum 30 degree arc and mounted on an RV, boat, cabin, tent, or any other irregular surface, while front ETFE film ensure a better protection and increase durability of solar panel.
 - CE Certificate, Product Warranty up to 8 years.
 - Wide applications for outdoor activities, such as hiking, camping, and outdoors military training etc.
- Bring direct electrical charger to run devices like laptops, car,boat, and other gadgets.

Performance & Drawing

Rated Power(Pmax): 190Wp
Production Pmax Tolerance: $\pm 5\%$
Maximum Power Voltage(V): 33V
Maximum Power Current(A): 6.3A
Dimension: 850*1450*2.5mm
Weight: 3800g
Maximum System Voltage IEC/UL(V): 1000/600
Cell Type: SUNPOWER USA
Solar Cell Efficiency: 21.50%
Module Efficiency: 15.50%
Warranty: 8 Years
Working Temperature: -20C~+70C



TECHNICAL DATA SHEET

Temperature Coefficients (at AM 1.5, 1000 W/m2 irradiance)

Temperature Coefficient (TC) of I_{sc} : $-(0.055 \pm 0.01)\%/^{\circ}C$
Temperature Coefficient (TC) of V_{oc} : $-(0.34 \pm 0.01)\%/^{\circ}C$
Temperature Coefficient (TC) of P_{max} : $-(0.47 \pm 0.05)\%/^{\circ}C$
Nominal Operating Cell Temperature (NOCT) $45 \pm 2^{\circ}C$



Product Features

- High Efficiency: with Sunpower cell imported from USA, the efficiency can up to 21%-25%, while most monocrystalline panel is only 17%-19%. You will get greater power efficiency even though the panel is no larger than a traditional model. Importantly, no worries about charging under low temperature. The charging temperature is -20°C~70°C.
- Adopting ETFE lamination workmanship, the same encapsulation technology with thin film flexible solar production technology.
- Ensuring durability of solar panel, absorbing more light and lasting a longer life span up to 15 years under outdoor conditions
- Unique frameless design and four metal reinforced mounting holes(optional) for easy installation.
- The plastic back sheet can be curved to a maximum 30 degree arc and mounted on an RV, boat, cabin, tent, or any other irregular surface, while front ETFE film ensure a better protection and increase durability of solar panel.
- CE Certificate, Product Warranty up to 8 years.
- Wide applications for outdoor activities, such as hiking, camping, and outdoors military training etc. Bring direct electrical charger to run devices like laptops, car,boat, and other gadgets.

Model: SF-205

205W

ETFE Lamination



Performance & Drawing

Rated Power(Pmax): 205Wp

Production Pmax Tolerance: $\pm 5\%$

Maximum Power Voltage(V): 18V

Maximum Power Current(A): 11.4A

Dimension: 1519*794*2.5mm

Weight: 5KG

Maximum System Voltage IEC/UL(V): 1000/600

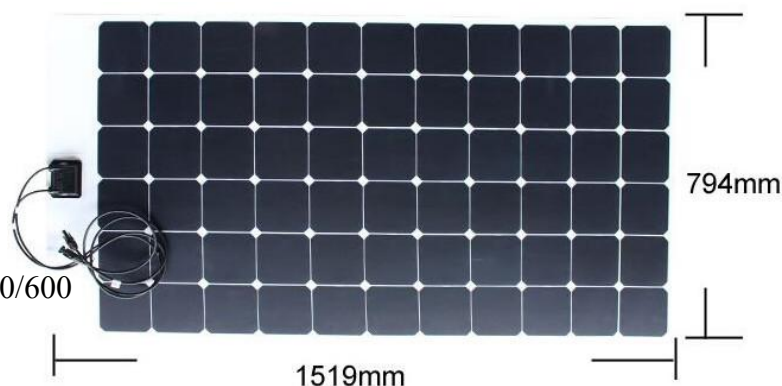
Cell Type: SUNPOWER USA

Solar Cell Efficiency: 21.50%

Module Efficiency: 17.08%

Warranty: 8 Years

Working Temperature: -20C~+70C



Temperature Coefficients (at AM 1.5, 1000 W/m2 irradiance)

Temperature Coefficient (TC) of I_{sc} : $-(0.055 \pm 0.01)\%/^{\circ}C$

Temperature Coefficient (TC) of V_{oc} : $-(0.34 \pm 0.01)\%/^{\circ}C$

Temperature Coefficient (TC) of P_{max} : $-(0.47 \pm 0.05)\%/^{\circ}C$

Nominal Operating Cell Temperature (NOCT) $45 \pm 2^{\circ}C$



205W Sunpower

Semi Rigid Solar Panel

ETFE Lamination

8 Years Warranty

Pure Sine Wave Inverter

Solar Controller

Gel Battery

电瓶自配



Model: SF-1W

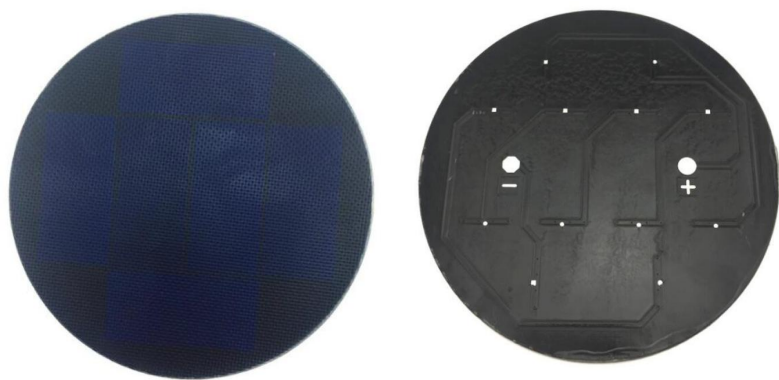
Product Features

- High Efficiency: with Sunpower cell imported from USA, the efficiency can up to 21%-25%, while most monocrystalline panel is only 17%-19%. You will get greater power efficiency even though the panel is no larger than a traditional model. Importantly, no worries about charging under low temperature. The charging temperature is -20°C~70°C.
- Adopting ETFE lamination workmanship, the same encapsulation technology with thin film flexible solar production technology.
- Various Powers and Dimensions are customized.
- SMT technology, ETFE lamination, Sunpower Cell, ensure high efficiency, durability, surface wear resistant
- Wide applications for Solar Light, electronic lock, etc various solar application products.

Performance & Photos

1W Round Shape

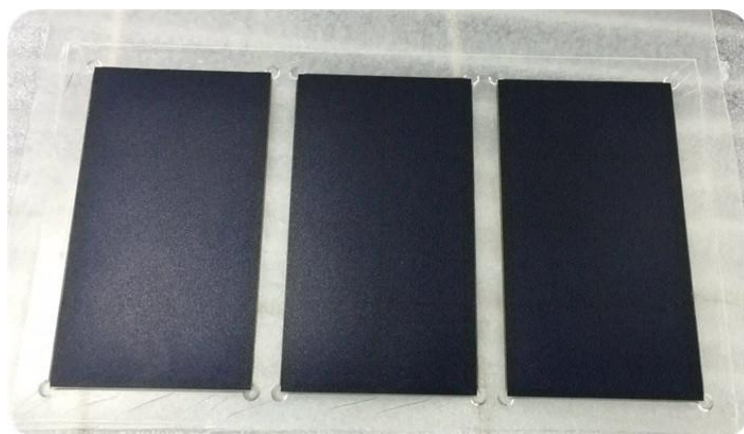
Rated Power(Pmax): 1.14Wp
Maximum Power Voltage(V): 3.67V
Maximum Power Current(A): 310mA
Open Circuit Voltage: 4.26V
Short Circuit Current: 330mA
Dimension: 101.60mm diameter
Thickness: 3mm
Cell Type: SUNPOWER USA
Solar Cell Efficiency: 22.80%



TECHNICAL DATA SHEET

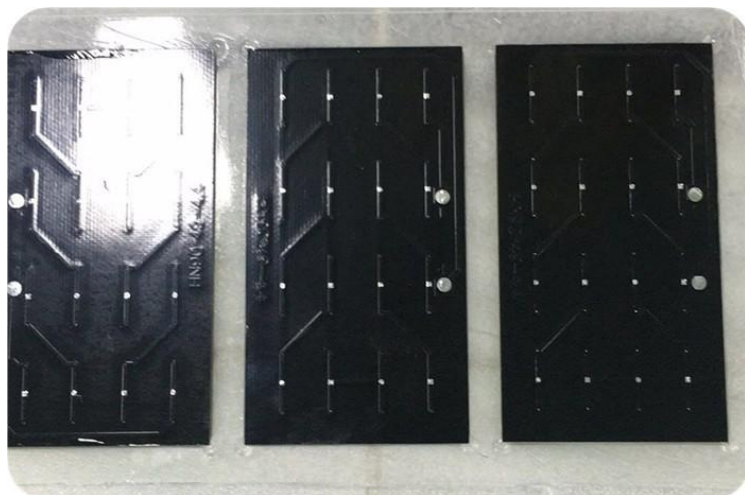
0.5W Square Shape

Rated Power(Pmax): 0.5Wp
Maximum Power Voltage(V): 2.75V
Maximum Power Current(A): 182mA
Open Circuit Voltage: 3.3V
Short Circuit Current: 200mA
Dimension: 40*93mm
Thickness: 3mm
Cell Type: SUNPOWER USA
Solar Cell Efficiency: 22.80%



1W Square Shape

Rated Power(Pmax): 1.26Wp
Maximum Power Voltage(V): 5.5V
Maximum Power Current(A): 180mA
Open Circuit Voltage: 6.6V
Short Circuit Current: 253mA
Dimension: 62*113mm
Thickness: 3mm
Cell Type: SUNPOWER USA
Solar Cell Efficiency: 22.80%



Feel free to contact us for any special dimension requirement or design.

5.3W

Product Features

- High Efficiency: with Sunpower cell imported from USA, the efficiency can up to 21%-25%, while most monocrystalline panel is only 17%-19%. You will get greater power efficiency even though the panel is no larger than a traditional model. Importantly, no worries about charging under low temperature. The charging temperature is -20°C~70°C.
- Adopting ETFE lamination workmanship, the same encapsulation technology with thin film flexible solar production technology.
- Ensuring durability of solar panel, absorbing more light and lasting a longer life span up to 15 years under outdoor conditions
- Unique frameless design and four metal reinforced mounting holes(optional) for easy installation.
- The plastic back sheet can be curved to a maximum 30 degree arc and mounted on an RV, boat, cabin, tent, or any other irregular surface, while front ETFE film ensure a better protection and increase durability of solar panel.
- CE Certificate, Solar Charger Product Warranty up to 1 year.
- Wide applications for outdoor activities, such as hiking, camping, and outdoors military training etc. Bring direct electrical charger to run devices like smart phone, camera, raider and other 5V gadgets.

Performance

Rated Power(Pmax): 5.3Wp
Stable Output Voltage(V): 5V
Rated Current(A): 0.96A
Dimension: 260*159*1mm
Weight: 120g
Cell Type: SUNPOWER USA
Workmanship: Surface deep embossing
Solar Cell Efficiency: 21.50%
Warranty: 1 Year
Working Temperature: -20C~+70C

Feature & Application

Model: SF-5.3W

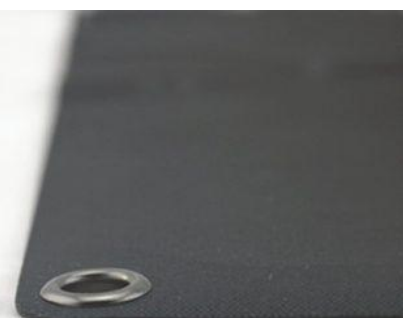
5.3W Charger Flat
ETFE Lamination



TECHNICAL DATA SHEET

Ultrathin

main body thickness=1mm
Only half of a coin



Copper buckles for easy hanging, ETFE Lamination ensuring high durability, long service life, wear resistant and dust proofing.

