



Professional Manufacturer of Solar Panel

CHINA SOLAR LTD

Green Economy

Green Energy

Flexible Solar Panel

Flexible solar panel is built with the latest most efficient monocrystalline silicon solar cell, with high light transmittance, high strength and durability.

Flexible solar panel can be used to charge an electric car, electric bike, boat, smart devices, power bank, etc. or you can take it to travel, or outdoor camping. It has a wide range of DIY mounting applications.

Flexible solar panel can be easily fixed to your canopy, car roof rack, bike, trailer, caravan, or even boat, these panels offer enough flex to be mounted on curves or uneven surfaces.

Solar Panel Application:

- **Flexible solar panel for car, boat, bike, electric cycle**
- **Flexible solar panel for bus stops, bus shelter and balconies**
- **Flexible solar panel for school project, DIY projects**
- **Flexible solar panel for agricultural canopy, irrigation system**
- **Flexible solar panel for road sign lights, navigation lights, garden lights**
- **Flexible solar panel for outdoor monitoring systems, security systems**
- **Other applications**



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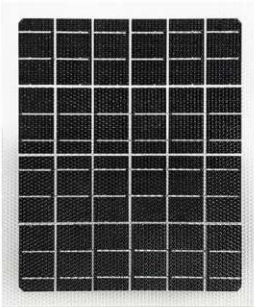
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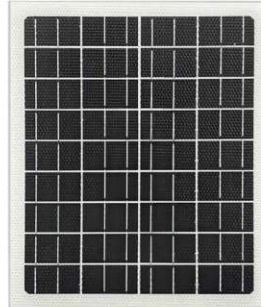
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Designer and Manufacturer of Solar Panel

Flexible Solar Panel



- Maximum Power(Pm): 5W
- Operating Voltage(Vmp): 5V
- Operating Current(Imp): 1A
- Dimension: 200x165x3mm
- Model No.: KS-FR200165F



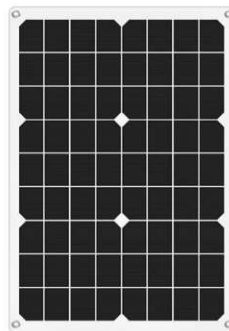
- Maximum Power(Pm): 8W
- Operating Voltage(Vmp): 5.5V
- Operating Current(Imp): 1.45A
- Dimension: 240x200x3mm
- Model No.: KS-FR240200F



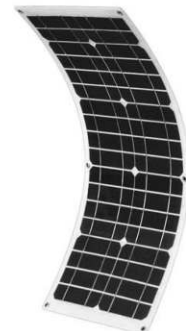
- Maximum Power(Pm): 10W
- Operating Voltage(Vmp): 12V
- Operating Current(Imp): 833mA
- Dimension: 320x200x3mm
- Model No.: KS-FR320200F



- Maximum Power(Pm): 16W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 889mA
- Dimension: 460x200x3mm
- Model No.: KS-FR460200F



- Maximum Power(Pm): 20W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 1.11A
- Dimension: 420x280x3mm
- Model No.: KS-FR420280F



- Maximum Power(Pm): 25W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 1.38A
- Dimension: 662x280x3mm
- Model No.: KS-FR662280F

Product Description:

Flexible solar panel are manufactured using the most efficient monocrystalline solar cells.

Cell Type: Monocrystalline solar cells.

Encapsulation Methods: ETFE Lamination

The thickness of ETFE solar panel: 2mm-3mm.

Operation life: 10 years - 15 years.

Standard test conditions(STC): AM1.5, Irradiance:1000W/㎡, Module temperature:25°C.

Flexible Solar Panel



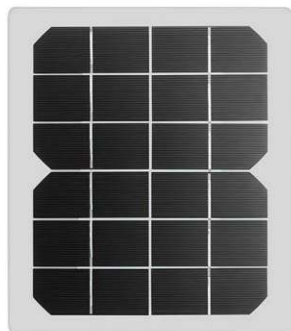
- Maximum Power(Pm): 10W
- Operating Voltage(Vmp): 6V
- Operating Current(Imp): 1.67A
- Dimension: 440x190x3mm
- Model No.: KS-FR440190F



- Maximum Power(Pm): 10W
- Operating Voltage(Vmp): 12V
- Operating Current(Imp): 833mA
- Dimension: 438x192x3mm
- Model No.: KS-FR438192F



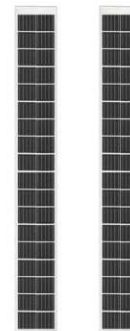
- Maximum Power(Pm): 10W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 556mA
- Dimension: 442x192x3mm
- Model No.: KS-FR442192F



- Maximum Power(Pm): 10W
- Operating Voltage(Vmp): 5V
- Operating Current(Imp): 2A
- Dimension: 220x190x3mm
- Model No.: KS-FR220190F



- Maximum Power(Pm): 6W
- Operating Voltage(Vmp): 6V
- Operating Current(Imp): 1A
- Dimension: 280x155x3mm
- Model No.: KS-FR280155F



- Maximum Power(Pm): 4W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 222mA
- Dimension: 470x60x3mm
- Model No.: KS-FR47060P

Product Description:

Flexible solar panel are manufactured using the most efficient monocrystalline solar cells.

Cell Type: Monocrystalline solar cells.

Encapsulation Methods: ETFE Lamination

The thickness of ETFE solar panel: 2mm-3mm.

Operation life: 10 years - 15 years.

Standard test conditions(STC): AM1.5, Irradiance:1000W/m², Module temperature:25°C.

Flexible Solar Panel



- Maximum Power(Pm): 4W
- Operating Voltage(Vmp): 6V
- Operating Current(Imp): 667mA
- Dimension: 397x90x3mm
- Model No.: KS-FR39790F



- Maximum Power(Pm): 20W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 1.11A
- Dimension: 380x320x3mm
- Model No.: KS-FR380320F



- Maximum Power(Pm): 32W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 1.78A
- Dimension: 470x380x3mm
- Model No.: KS-FR470380F



- Maximum Power(Pm): 10W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 556mA
- Dimension: 445x180x3mm
- Model No.: KS-FR445180F



- Maximum Power(Pm): 10W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 556mA
- Dimension: 440x180x3mm
- Model No.: KS-FR440180F



- Maximum Power(Pm): 15W
- Operating Voltage(Vmp): 18V
- Operating Current(Imp): 833mA
- Dimension: 450x220x3mm
- Model No.: KS-FR450220F

Product Description:

Flexible solar panel are manufactured using the most efficient monocrystalline solar cells.

Cell Type: Monocrystalline solar cells.

Encapsulation Methods: ETFE Lamination

The thickness of ETFE solar panel: 2mm-3mm.

Operation life: 10 years - 15 years.

Standard test conditions(STC): AM1.5, Irradiance:1000W/㎡, Module temperature:25°C.



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Installation and Maintenance

Mounting Method:

- **Adhesive-ready backsheets**
- **Grommet holes**

In high-wind or high-vibration environments we often recommend a combination of adhesive and selective mechanical fixing for extra security.

Installation Steps:

- **Mark points to position each panel.**
- **Ensure all edges are securely fastened to the curve.**
- **Solar panels can bend up to 30 degrees.**
- **Connecting Electrical Components:**
Take extra care to follow the equipment manufacturer's instructions when hooking up all the electrical items.

Inspection and Maintenance

- **Design access pathways to facilitate long-term visual inspections of solar panels.**
- **Regular Cleaning:**
Frequent cleaning not only enhances efficiency but also prevents potential damage from accumulated dirt, thereby extending the panels' lifespan.
 - **Gently wipe the panel surface using a soft cloth or sponge dipped in a small amount of mild soapy water.**
 - **Rinse with clean water and allow the panels to air dry naturally.**



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Company Profile

China Solar Ltd is a Chinese solar panel manufacturer with exclusive production capabilities, founded in 2006. We have a flexible and agile production line, providing unique solar customized solution design and development.

After nearly 20 years of R&D and production, combine experience and innovative thinking, seek innovation in every step and every project, and grow into one of the most flexible solar manufacturers in the world.

We constantly innovate to deliver latest photovoltaics technologies to our production and to adapt to changing needs of solar market. Our design and development team will assist through all stages of project development: from design sketch to working prototype and series production.

We stick to strict quality control, from raw material sourcing, manufacturing process to finished product testing, we pay attention to details in each step, to provide customers with high-quality solar panels.

If you need further information, please feel free to contact us at any time. China Solar Ltd will become your most trusted partner with rich industry experience and professional technology.



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