

Basic Series

Flexible Panel

Product Range

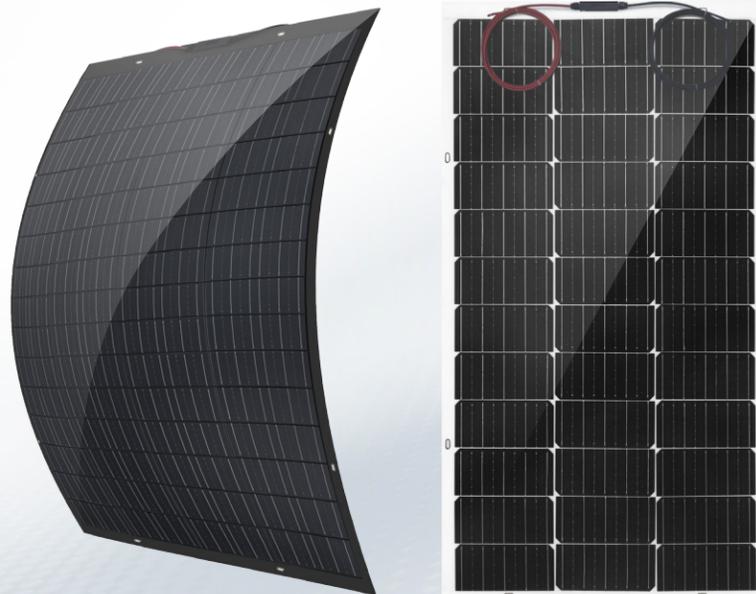
100-250W

CE RoHS



MBB Half-Cut Solar Cell

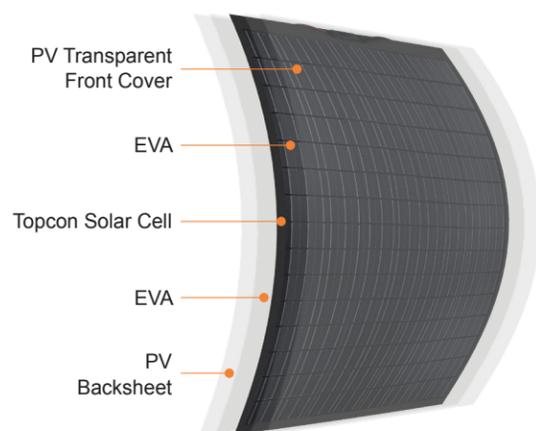
FLEX100MD: 182x83mm, 30 cells.
 FLEX120MD: 182x83mm, 36 cells.
 FLEX150MD: 182x91mm, 42 cells.
 FLEX200MD: 182x91mm, 56 cells.
 FLEX250MD: 182x91mm, 72 cells.



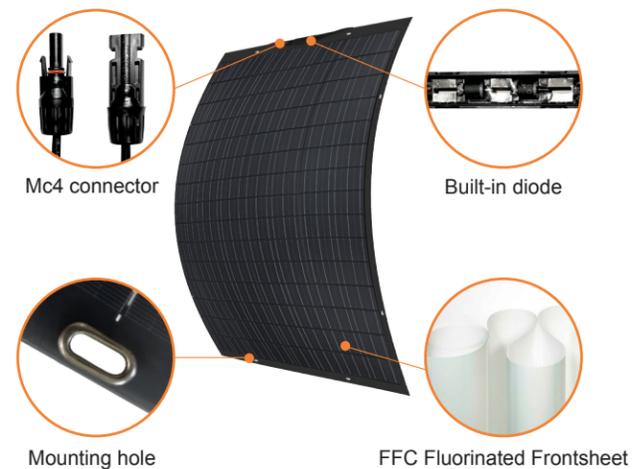
Flexible with 30° Curvature



PRODUCT STRUCTURE



PRODUCT DETAIL



Ultra Thin And Ultra Light Load

Less than 25% of the traditional photovoltaic system. Reduce the load-bearing requirements for the rooftop and facade wall.

Portable And Waterproof For Outdoor Uses

IP67 Waterproof and 2400pa wind load.

Quick Install With Low Cost

Small size and low weight for handling and installation. No need mounting bracket.

High Reliability

1 Years' Warranty with CE and ROHS certificate.

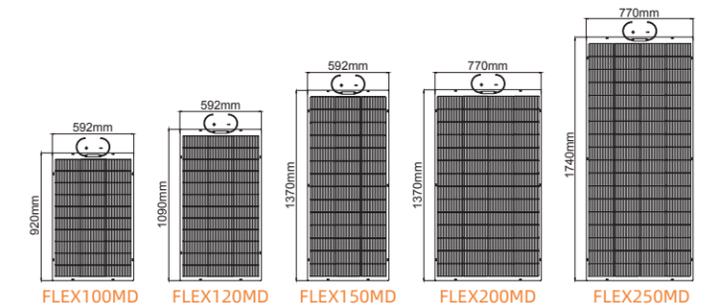
182mm TOPCON SERIES

ELECTRICAL PERFORMANCE

Module Type:	FLEX 100MD	/	FLEX 120MD	/	FLEX 150MD	/	FLEX 200MD	/	FLEX 250MD
Maximum Power (Wp)	100W		120W		150W		200W		250W
Connection	Series		Series		Series		Series		Series / Parallel
Open Circuit Voltage (Voc)	21.65V		26V		29.75V		39.65V		49.6V / 24.8V
Short Circuit Current (Isc)	5.77A		5.77A		6.3A		6.3A		6.3A / 12.6A
Maximum Power Voltage (Vm)	18.35V		22.02V		25.21V		33.62V		42.02V / 21.01V
Maximum Power Current (Im)	5.45A		5.45A		5.95A		5.95A		5.95A / 11.9A
Maximum Series Fuse	10A		10A		10A		10A		10A / 20A
Efficiency	18.36%		18.6%		18.5%		18.96%		18.66%
Net Weight	1.35KG		1.6KG		2KG		2.55KG		3.2KG
Cables & Plug Connectors	2x1200mm / 2.5mm ²		2x1200mm / 2.5mm ²		2x1500mm / 2.5mm ²		2x1500mm / 2.5mm ²		2x2000mm / 2.5mm ²
Module Dimensions (L/W/H)	920x592x2mm		1090x592x2mm		1370x592x2mm		1370x770x2mm		1740x770x2mm
2 in 1 Carton Dimensions (Inner)	940x605x30mm		1110x605x30mm		1390x605x30mm		1390x780x30mm		1760x780x30mm
10 in 1 Carton Dimensions (Inner)	955x625x190mm		1125x625x190mm		1405x625x190mm		1405x800x190mm		1775x800x190mm
Qty/20GP	2100pcs		1750pcs		1400pcs		1210pcs		870pcs
Qty/40HQ	5040pcs		4200pcs		3360pcs		2640pcs		2120pcs
Number Of Diode			1		/		2		
Power Tolerance	0~+5W								
Junction Box (Protection Degree)	≥IP67								
Maximum System Voltage	600V/DC								

TEMPERATURE PARAMETERS

Temperature-Coefficient Isc	+0.08558%/°C
Temperature-Coefficient Voc	-0.29506%/°C
Temperature-Coefficient Pmpp	-0.38001%/°C
Operating Temperature	-40°C...+85°C
Standard Test Conditions	1000W/M ² , 25°C, AM1.5



INSTALLATION PROCEDURE



How to connect in series

How to connect in parallel

1. Site Reconnaissance: Firstly, a detailed reconnaissance of the installation site is required. Understand the terrain, light condition, wind scale and other factors to determine the best installation location and angle.
2. Design Installation Scheme: Design suitable flexible panel layout and bracket structure according to the site situation. Due to the flexibility of panels, it can adapt to different surfaces such as roofs and walls, etc.
3. Prepare Tools and Materials: Including flexible panels, dedicated brackets, connection cables, junction boxes, screws, adhesive glue etc. Ensure all tools and materials are available and of reliable quality.
4. Mount the Bracket: Fix the bracket according to the design scheme to ensure its stability and load-bearing capacity.
5. Install the Solar Panel: Tile the flexible panel along the bracket and secure it with dedicated screws or adhesives. Pay attention to keep the panel clean and avoid covering.
6. Connect the Circuit: Connect panel with inverter through junction box, which form a complete photovoltaic power generation system.
7. Debugging and Acceptance: Check whether all connections are firm and whether the system can work normally. After confirmation, perform the security test and acceptance.

* Flexible panels can be placed on the roof, but high-power ones are not recommended. Low-power ones can be placed, but only one or two panels can be installed, put too much is not suitable.

POINTS FOR ATTENTION

1. Waterproof and Dampproof: During the installation process, ensure that all joints and crevices are waterproof to avoid water entering and affecting the life of the equipment.
2. Avoid Excessive Bending: Although flexible panel can be bent, excessive bending will affect its performance and even cause damage.
3. Avoid Direct Sunlight: During the installation process, avoid operating in direct sunlight to prevent the hot spot effect from affecting the efficiency of the solar panels.
4. Safety First: During installation, electrical safety regulations must be followed to avoid the risk of electric shock.
5. Regular Maintenance: After installation, regular cleaning and inspection should be carried out to ensure the normal operation of the solar panels.

