

Enhanced Series

# Flexible Panel

Product Range

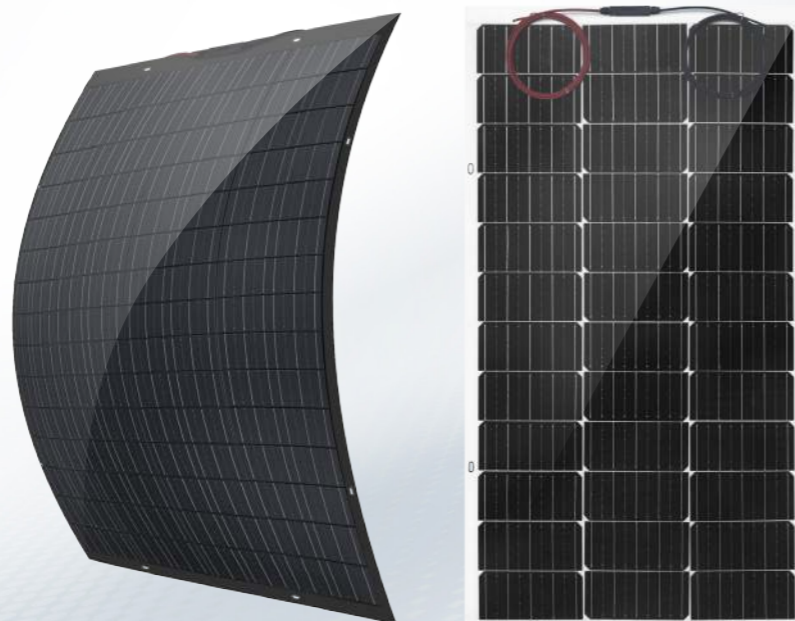
## 100-250W

IEC CE RoHS



### MBB Half-Cut Solar Cell

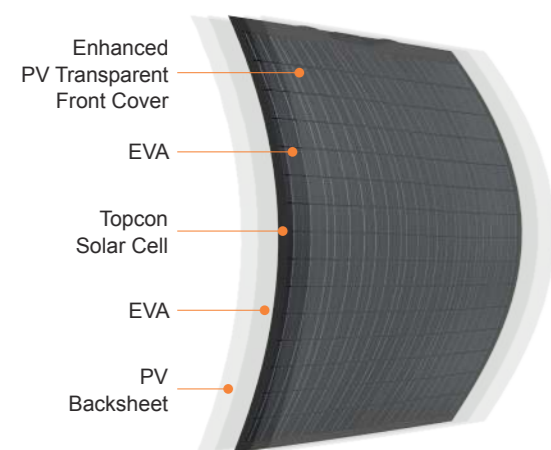
FLEX Pro 100MD: 182x83mm, 30 cells.  
 FLEX Pro 120MD: 182x83mm, 36 cells.  
 FLEX Pro 150MD: 182x91mm, 42 cells.  
 FLEX Pro 200MD: 182x91mm, 56 cells.  
 FLEX Pro 250MD: 182x91mm, 72 cells.



### Flexible with 30° Curvature



### PRODUCT STRUCTURE



### PRODUCT DETAIL



**Stronger Ageing Resistance**  
 Less power degradation in ultraviolet aging test.

**Portable And Waterproof For Outdoor Uses**  
 IP67 Waterproof and 2400pa wind load.

**Greater Mechanical Strength**  
 Higher stiffness, less micro cracks.

**Reliable Warranty**  
 5 Years' Warranty with IEC, CE and ROHS certificate.

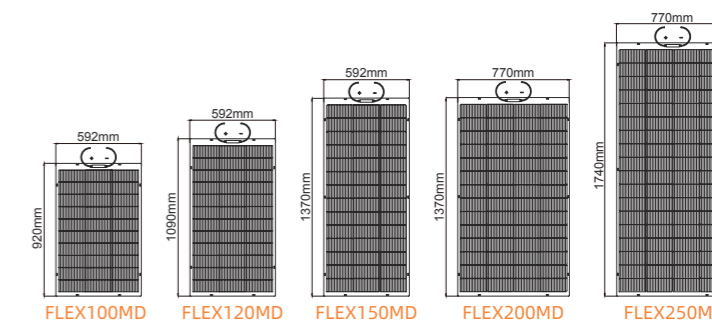
### 182mm TOPCON SERIES

#### ELECTRICAL PERFORMANCE

Module Type:	FLEX Pro 100MD	120MD	150MD	200MD	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 <sup>2</sup>	2x1200mm / 2.5mm <sup>2</sup>	2x1500mm / 2.5mm <sup>2</sup>	2x1500mm / 2.5mm <sup>2</sup>	2x2000mm / 2.5mm <sup>2</sup>
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 <sup>2</sup> , 25°C, AM1.5



#### INSTALLATION PROCEDURE



How to connect in series

How to connect in parallel

- 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.
  - 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.
  - 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.
  - Mount the Bracket: Fix the bracket according to the design scheme to ensure its stability and load-bearing capacity.
  - 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.
  - Connect the Circuit: Connect panel with inverter through junction box, which form a complete photovoltaic power generation system.
  - 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

- 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.
- Avoid Excessive Bending: Although flexible panel can be bent, excessive bending will affect its performance and even cause damage.
- 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.
- Safety First: During installation, electrical safety regulations must be followed to avoid the risk of electric shock.
- Regular Maintenance: After installation, regular cleaning and inspection should be carried out to ensure the normal operation of the solar panels.

