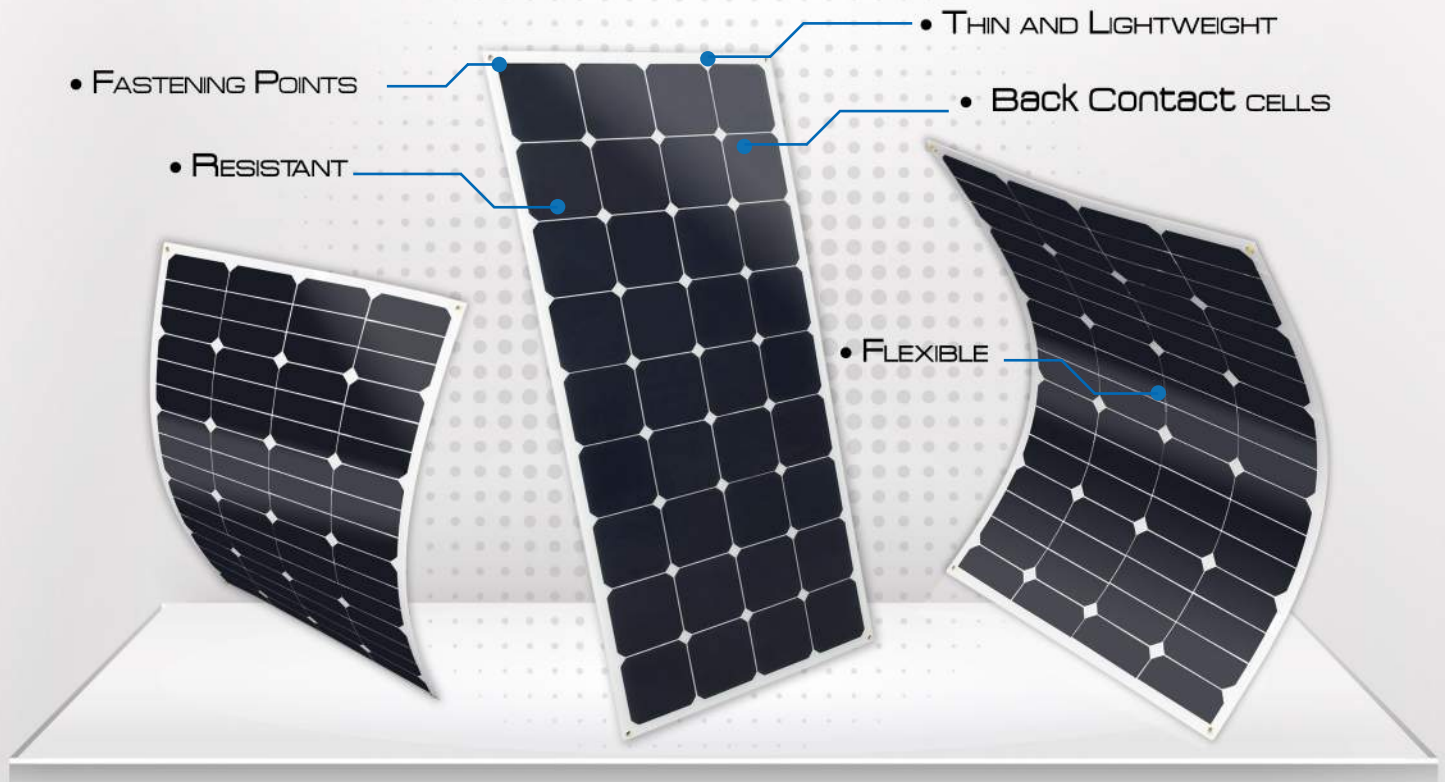


MX FLEX



MX FLEX SOLAR PANEL

15Wp, 30Wp, 50Wp, 50Wp XTD, 60Wp, 100Wp, 120Wp, 130Wp

High efficiency solar panels MX FLEX.
Ideal for any mobile application.

Their low weight and fineness enable them to adapt to the requirements of nomadism, professional or amateur : hiking, mountain, construction, medical, ...

Solar panels MX FLEX can be glued or simply set on a bridge, on the roof of a vehicle, ...



Applications : boat, campervan,
isolated house, camping, ...

- Ultra lightweight
- Ultra flexible (up to 60%)
- Only 3mm thickness
- Waterproof junction box on the front
- "Back Contact" high efficiency cells
- Fastening points to fix it everywhere

HIGH EFFICIENCY "BACK CONTACT" CELLS

MX FLEX solar module adopts the highest efficiency cell in the world with efficiency up to 20% or higher, which enable 25-30% higher power generation than the conventional PV modules at the same size.

By adopting the Back Contact technology, the cell can be coated with the flexible materials and finally forms the high efficiency flexible solar panel.



MECHANICAL CHARACTERISTICS

| Modules | Dimensions (mm) | Weight (Kg) |
|---------|-----------------|-------------|
| 15W | 159 x 730 x 3 | 0,4 |
| 30W | 387 x 535 x 3 | 0,77 |
| 50W | 557 x 535 x 3 | 1 |
| 50W XTD | 1080 x 283 x 3 | 1 |
| 60W | 738 x 535 x 3 | 1,30 |
| 100W | 1050 x 540 x 3 | 1,70 |
| 120W | 1315 x 544 x 3 | 1,90 |
| 130W | 1435 x 540 x 3 | 2 |

EASILY TO INSTALL

Junction box at the front of the panel. The fastening points located on the four corners allow you to fix it easily everywhere.



TECHNICAL CHARACTERISTICS

| Characteristics | 15W | 30W | 50W | 50W XTD | 60W 12V | 60W 24V | 100W | 120W | 130W |
|-------------------------------|--------|------|------|---------|---------|---------|------|------|------|
| Maximum Power Pm (W) | 15 | 30 | 50 | 50 | 60 | 60 | 100 | 120 | 130 |
| Tolerance (%) | +5 | | | | | | | | |
| Open Circuit Voltage Voc (V) | 19,5 | 21,2 | 21,2 | 20,8 | 21,0 | 42,3 | 21,6 | 26,4 | 29,4 |
| Short Circuit Current Isc (A) | 0,97 | 1,83 | 3,05 | 3,04 | 3,67 | 1,86 | 5,97 | 5,87 | 5,76 |
| Maximum Power Voltage Vm (V) | 16,5 | 17,6 | 17,6 | 17,6 | 17,5 | 35,2 | 17,8 | 22 | 24,4 |
| Maximum Power Current Im (A) | 0,91 | 1,70 | 2,84 | 2,84 | 3,43 | 1,71 | 5,62 | 5,45 | 5,32 |
| Module Efficiency (%) | 17-20 | | | | | | | | |
| Solar Cell Efficiency (%) | 22,5 | | | | | | | | |
| Cell Type (mm) | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| Number of Cells (Pcs) | 1x5 | 10x3 | 16x2 | 16x2 | 20,3x3 | 20,3x3 | 36 | 40 | 44 |
| Maximum System Voltage (V) | 1000 | | | | | | | | |
| Temp. Coeff. of Voc (%/°C) | -0,43 | | | | | | | | |
| Temp. Coeff. of Isc (%/°C) | -0,019 | | | | | | | | |
| Temp. Coeff. of Pm (%/°C) | -0,43 | | | | | | | | |
| Max. Series Fuse (A) | 14 | | | | | | | | |

All Rating at STC1000W/m² Am 1,5 Spectrum, 25°C