

Elevate Your Energy Independence

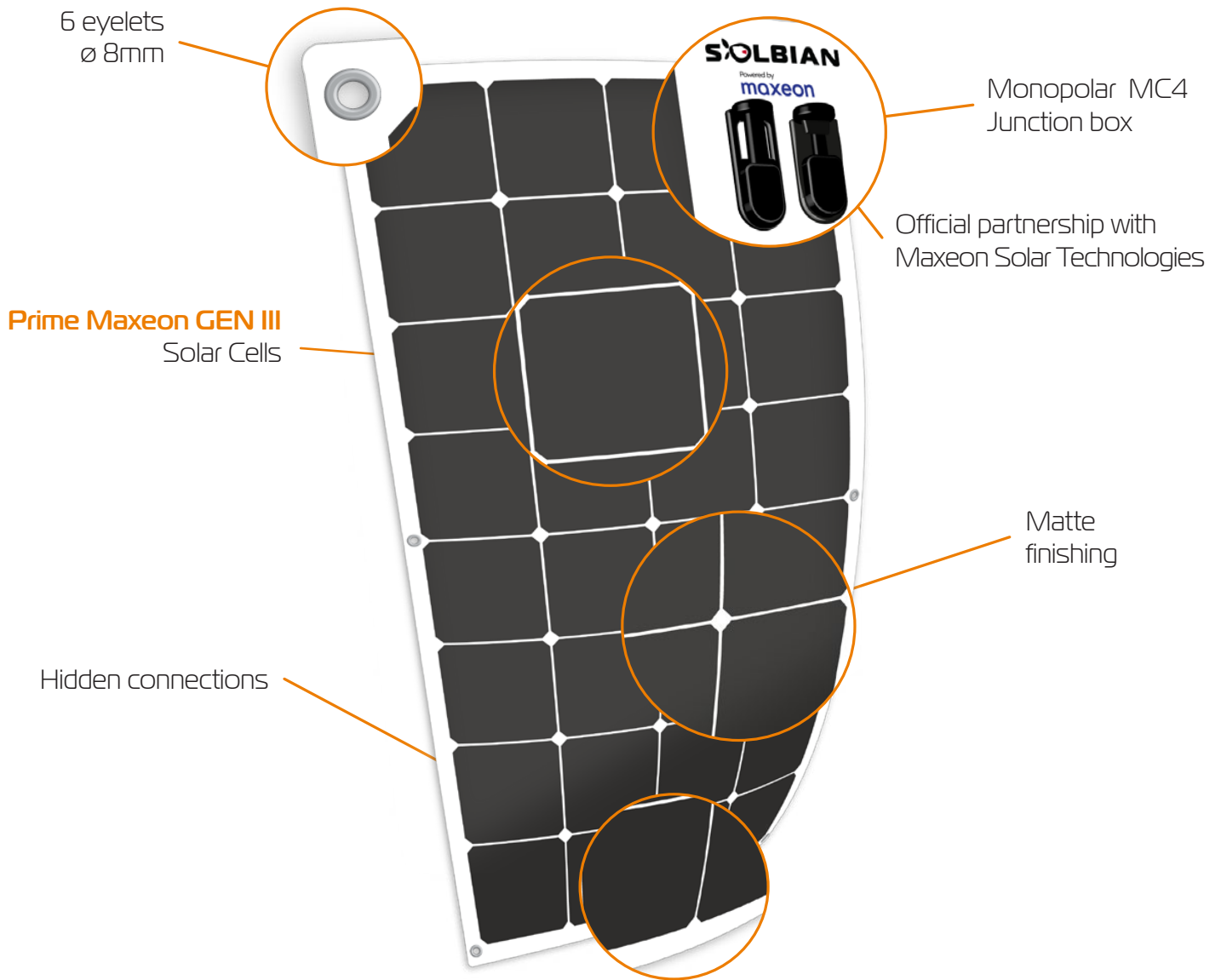
Harness the Power of the Sun!



Welcome to a new era of solar excellence. Our cutting-edge SunBender solar panels are meticulously crafted to seamlessly blend innovation, quality, and sustainability.

- ✓ High quality made in Italy
- ✓ Official Maxeon Partner
- ✓ Guaranteed power with Maxeon Prime PV cells
- ✓ Matte finishing and hidden connections

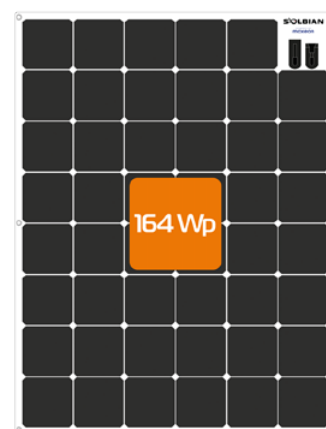
Highlights



Solbian Solar Panel with Maxeon Gen III Solar Cells

Three different panels types make up the SunBender kit: starting with the smallest 52 Wp model, moving up to the medium 108 Wp model to the most powerful 164 Wp model. Each of them is **made with exclusive Maxeon Gen III solar cells**, engineered to capture every ray of sunlight, ensuring optimal power output even in challenging conditions.

Say goodbye to energy constraints and embrace a sustainable future.



	SB 15	SB 31	SB 47
Maximum Power at STC⁽¹⁾	52 W	108 W	164 W
Power Tolerance	± 3 %		
Length Y	1054 mm		
Width X	292 mm	546 mm	800 mm
Thickness	2 mm		
Weight	0.7 kg	1.4 kg	2 kg
PV Cells	Premium Maxeon Gen III solar cells (Me3 type)		
PV Cell Efficiency	Min 24.0% - Max. 24.4%		
Max Power Voltage Vmp at STC⁽¹⁾	9.2 V	19 V	28.8 V
Max Power Current Imp at STC⁽¹⁾	5.7 A		
Open Circuit Voltage Voc at STC⁽¹⁾	10,9 V	22,5 V	34,1 V
Short Circuit Current Isc	6 A		
Operating Temperature	-40/+85 °C		
Temp. Coeff. Pmax	-0.27 %/°C		
Temp. Coeff. Voc	-0,236 %/°C		
Temp. Coeff. Isc	0.058 %/°C		
Mounting	6 eyelets Ø 8 mm		
Connection	2 x Monopole JB for MC4 connectors		
Front Sheet / Style	Matte and hidden connections		
Columns x Rows (cells n°)	2x8 (15)	4x8 (31)	6x8 (47)
Maximum System Voltage	1000 V		
Maximum Reverse Current	12 A		
Safety Class	A		
Warranty ⁽²⁾	5 years		

(1) Values at STC = Standard Test Conditions: (a) light Spectrum for an Air Mass of 1.5; (b) irradiance of 1000 W/m2 with perpendicular incidence and (c) cell temperature of 25 °C. Measurements carried out according to the Standard IEC 61215 requirements.
 (2) See "Solbian Warranty Policy" for additional information