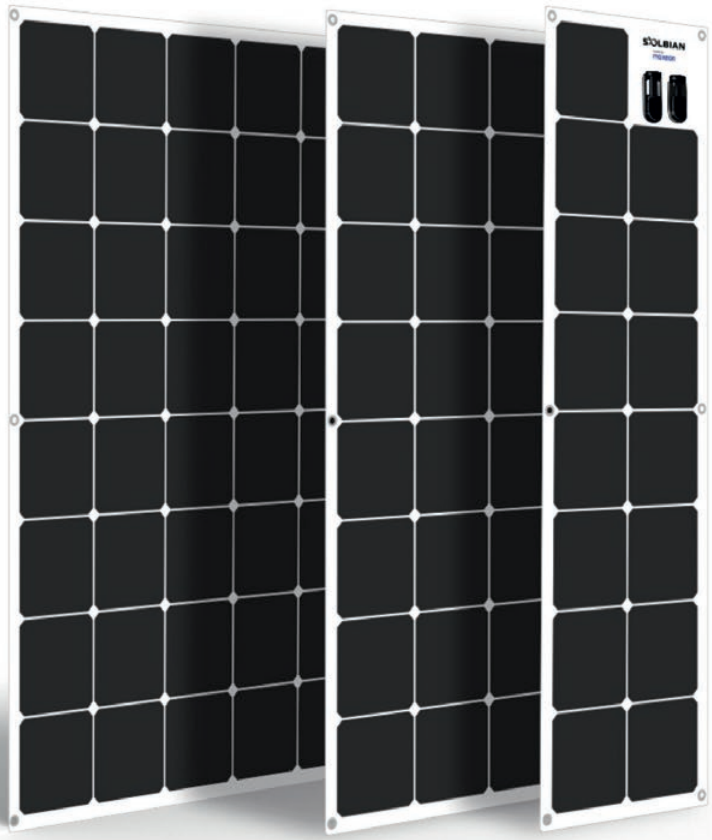
SunBender
Solar panels



Elevate your energy independence

Harness the power of the sun!

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

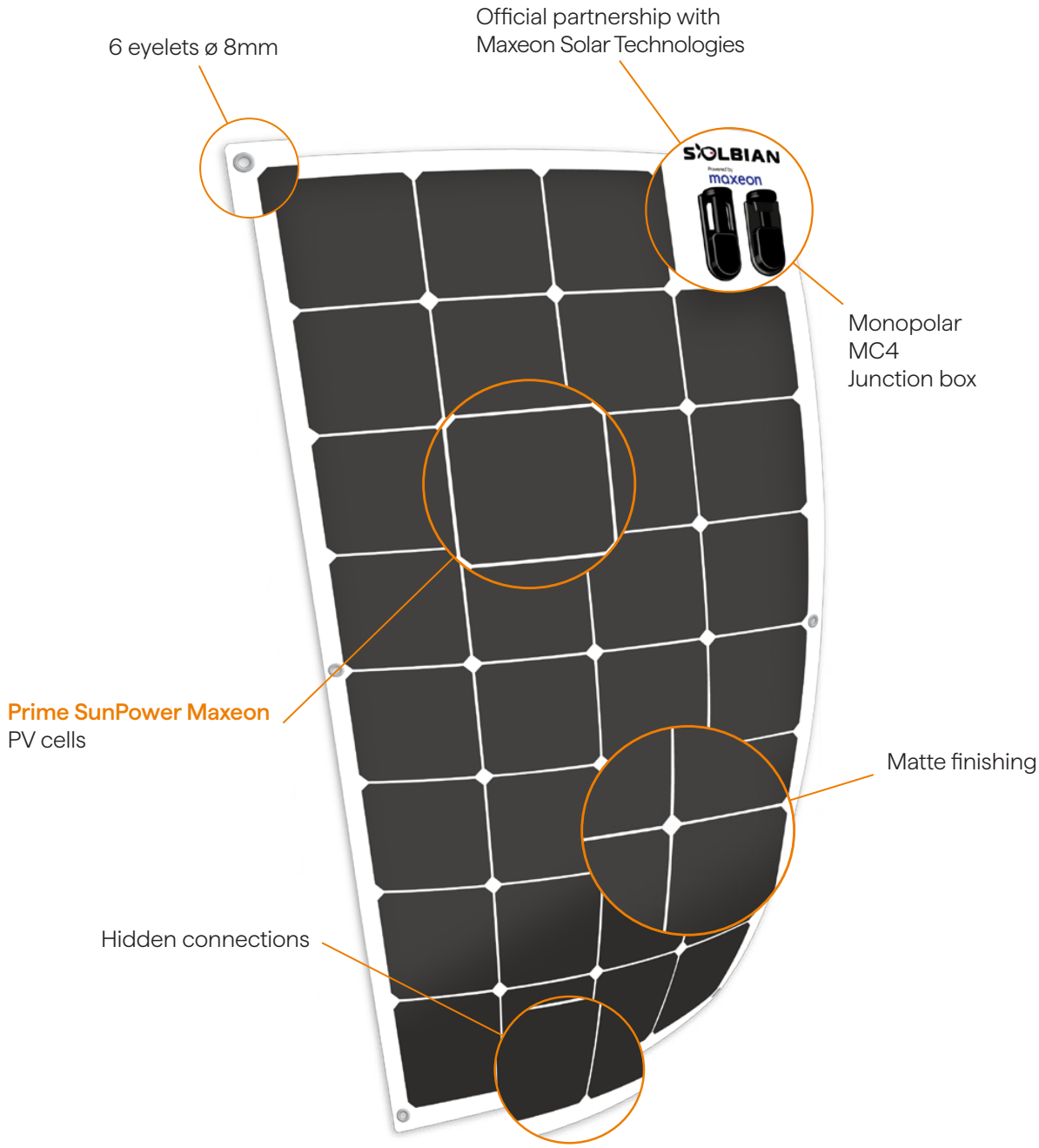
- ✓ High quality made in Italy
- ✓ Official SunPower Maxeon Partner
- ✓ Guaranteed power with Prime SunPower Maxeon PV cells
- ✓ Matte finishing and hidden connections

SOLBIAN

Powered by maxeon

REV 1.2 22/07/2026

Highlights



Solbian solar panel with prime SunPower Maxeon PV cells

SunBender panels are available in three sizes: starting with the compact 52 Wp model, moving up to the mid-range 108 Wp option, and reaching the highly powerful 164 Wp model. Each panel is built with prime SunPower Maxeon PV cells, engineered to capture every ray of sunlight and ensure optimal power output, even in challenging conditions.
Say goodbye to energy constraints and embrace a sustainable future.

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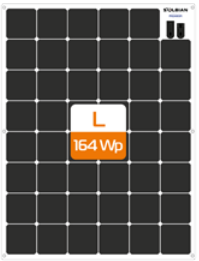
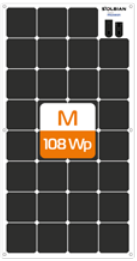
Technical data





	SB 47	SB 31	SB 15
Product	Lightweight semi-flexible solar panel		
Power at STC [W] ①	164	108	52
Power tolerance [%]	± 3		
Length [mm]	1054		
Width [mm]	800	564	292
Thickness [mm]	2		
Weight [kg]	2	1.4	0.7
PV solar cells no.	47	31	15
PV solar cells	SunPower Maxeon back contact		
PV Solar cell efficiency [%]	Min 24.4		
Bypass diodes no. ②	1	1	1
Max power voltage Vmp at STC [V] ①	29.2	19.3	9.3
Max power current Imp at STC [A] ①	5.6		
Open circuit voltage Voc at STC [V] ①	34.1	22.5	10.9
Short circuit current Isc [A]	6		
Minimum design load [Pa] ③	1600		
Operating temperature [°C]	-40 / +85		
Temp. coeff. Pmax [%/°C]	-0.27		
Temp. coeff. Voc [%/°C]	-0.24		
Temp. coeff. Isc [%/°C]	0.058		
Mounting	Ø 8 mm eyelets		
Front sheet	Matte and hidden connections		
Connection	2 x monopole JB for MC4 connectors		
Available accessories	Extension wires and through-hull fitting		
Maximum system voltage [V]	1000		
Maximum reverse current [A]	12		
Safety class	A		
Warranty [year] ④	5		

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 Diodes suitable for lamination and encapsulated within the panel.
③ Rated load for the solar panel when it is mounted on a rigid surface.
④ See the Solbian "Warranty conditions" for more information.

Certifications

SOLBIAN