

BLACK TIGER SF

Semi-flexible solar panels with 24.2% cell efficiency, light and ultra flat, suitable for slightly curved surfaces.

Ultra Peak Performance Cells
with up to 25% more
energy yield!

pliable up to
6,3% of the module length
>24% cell efficiency



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The frameless models come with top of the range Sunpower cells with rear contacting and laminated fiberglass board - this provides stability despite **low weight**. They are **ultra flat** and can be mounted on slightly curved areas. The **ETFE surface with microlenses** ensures decreased reflection losses and makes it easier to keep the surface clean.

The particularly low temperature coefficient and the special module layout for a high open circuit voltage enable **more energy yield even with high heat and low irradiance levels**.

110W_p and 160W_p are offered, each with 7 m (2 × 4 mm²) cable in a waterproof junction box on the front.

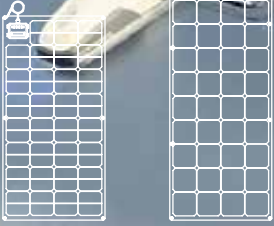
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* 25% better temperature coefficient than conventional modules, therefore less loss of performance when heated.

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	BLACK TIGER SF 110	298.95 €	BLACK TIGER SF 160	398.95 €
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item number	TEX2100	TEX2101
	2 bypass diodes	
cells per module	62	43
power tolerance	±3%	
nominal peak power (P _{max})	110W	160W
nominal voltage (V _{mpp})	34.0V	26.6V
nominal current (I _{mpp})	3.24A	6.02A
power temperature coefficient	-0.29%/°C	
voltage temperature coefficient	-0.241%/°C	
current temperature coefficient	0.052%/°C	
open circuit voltage (V _{oc})	40.80	31.92
short circuit current (I _{sc})	3.49A	6.50A
cell technology	Sunpower Maxeon Gen. 3	
cell efficiency	24.12%	
operating temperature	-40 to +85 °C	
max. system voltage	100VDC	
size	1080 × 540 × 4 mm (+ junction box)	1440 × 540 × 4 mm (+ junction box)
weight	3.5 kg	6.5 kg

Technical data at STC (standard test conditions) with 25°C ambient temperature, 1000 W/m² solar irradiance and an AM factor of 1.5.

IP67 junction box

7 m cable (2 × 4 mm²)

ring eyelets ø10 mm

1.2 mm fiberglass board

