

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
2.5% of the module length
> 24% cell efficiency



tiger.jetzt

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.

** curvature up to 2.5% of length. Example: 945 mm module length can be bent by a maximum of 23 mm over full module length.

tiger²solar



BLACK TIGER SF 110

BLACK TIGER SF 160

item number	TEX2100	TEX 2101
cells per module	62	43
solar cells	Sunpower Maxeon Gen. 3	Sunpower Maxeon Gen. 3
quality	Ultra Peak Performance	Ultra Peak Performance
power tolerance	±3%	±3%
nominal peak power (P_{max})	110 W _p	160 W _p
nominal voltage (V_{mpp})	34.0V	26.6V
nominal current (I_{mpp})	3.24A	6.02A
voltage temperature coefficient	-1.74 mV/K	-1.74 mV/K
current temperature coefficient	2.9 mA/K	2.9 mA/K
power temperature coefficient	-0.29%/K	-0.29%/K
open circuit voltage (V_{oc})	40.80 V _{oc}	31.92 V _{oc}
short circuit current (I_{sc})	3.49 A _{sc}	6.50 A _{sc}
cell efficiency	24.2%	24.2%
operating temperature	-40 bis +85 °C	-40 bis +85 °C
max system voltage	100VDC	100VDC
size	540 × 1080 × 4 mm (+ junction box)	540 × 1440 × 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.

IP68 junction box

7 m cable (2 × 4 mm²)

ring eyelets ø10 mm

1.2 mm fiberglass board

