

# BLACK TIGER



Framed solar panels with 24.2% cell efficiency, specially optimized for high open circuit voltage for lower influence of temperature. For use in electrical systems such as tiger2power.

Ultra Peak Performance Cells  
Up to 25% higher  
energy yield!\*

180W<sub>p</sub> special size  
ideal for vans & pickups -  
maximum performance per area



[autoterm.ch/solar](http://autoterm.ch/solar)

The framed models with **special glass** come with top of the range **Sunpower cells** with rear contacting and are include a sleek **black anodized frame**.

The range includes 100W<sub>p</sub> and 180W<sub>p</sub> modules, the latter in a special format should close some gaps especially in the vehicle sector.

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**. The electrical connection is pre-wired on the rear with 0.9 m long cables with connectors according to the MC4 standard

→ [autoterm.ch/solar](http://autoterm.ch/solar)

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

**Caravaning-Shop.ch**  
+ Alles für Caravan, Camping & Freizeit

## BLACK TIGER 100

## BLACK TIGER 180

item number	TEX2200	TEX2201
cells per module	4×14	6×24
solar cells	Sunpower Maxeon Gen. 3	Sunpower Maxeon Gen. 3
quality	Ultra Peak Performance	Ultra Peak Performance
power tolerance	±3%	±3%
nominal peak power ( $P_{max}$ )	100 W <sub>p</sub>	180 W <sub>p</sub>
nominal voltage ( $V_{mpp}$ )	31.0V	39.6V
nominal current ( $I_{mpp}$ )	3.23A	4.55A
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 ( $V_{oc}$ )	37.20 V <sub>oc</sub>	47.52 V <sub>oc</sub>
short circuit current ( $I_{sc}$ )	3.48 A <sub>sc</sub>	4.91 A <sub>sc</sub>
cell efficiency	24,2%	24.2%
operating temperature	-40 bis +85 °C	-40 bis +85 °C
max system voltage	600VDC	600VDC
size	955 × 540 × 35 mm	1100 × 796 × 35 mm
weight	5.9 kg	9.5 kg

Technical data at STC (standard test conditions) with 25°C ambient temperature, 1000 W/m<sup>2</sup> solar irradiance and an AM factor of 1.5.

MC4 standard connectors

2 × 0.9 m cable (4 mm<sup>2</sup>)

IP68 junction box

black anodized frame

