

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_p special size
ideal for vans & pickups -
maximum performance per area



tiger.jetzt

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

The range includes 100W_p and 180W_p 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

→ tiger.jetzt/black

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

tiger2solar

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 _p	180 W _p
nominal voltage (V_{mpp})	31.0 V	39.6 V
nominal current (I_{mpp})	3.23 A	4.55 A
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 _{oc}	47.52 V _{oc}
short circuit current (I_{sc})	3.48 A _{sc}	4.91 A _{sc}
cell efficiency	24,2 %	24.2 %
operating temperature	-40 bis +85 °C	-40 bis +85 °C
max system voltage	600 VDC	600 VDC
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/m² solar irradiance and an AM factor of 1.5.

MC4 standard connectors

2 × 0.9 m cable (4 mm²)

IP68 junction box

black anodized frame

