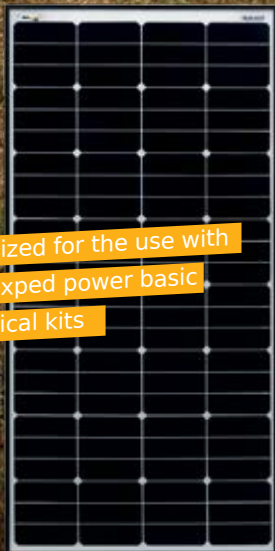


BLACK TIGER

Framed solar panels with 24,1 respectively 24,4% cell efficiency, technically optimized and in many special formats for best individual use of roof space.



180W_p special size
ideal for vans & pickups



optimized for the use with
tigerexped power basic
electrical kits



special size for the
use of narrow roof spaces,
e.g. next to skylights



tiger.jetzt

High performance solar modules with **special glass and elegant black anodized frame**. All black tigers are equipped with top of the range Sunpower back-contact cells. Due to technical optimization, they provide **up to 25% higher energy yield** compared to other products on the market.

Improvements like less loss of performance at high temperatures, sensitivity for a wider spectrum of light and most failsafe design, make black tiger solar panels the first choice for travel vehicles with a demand for quality. The range includes panels in special formats for various applications with **100, 115, 120, 150 and 180W_p** of power. An optimized cell layout with three bypass diodes (on all panels $\geq 115 W_p$) delivers **the best possible energy yield even with partial shading**.

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	BLACK TIGER 100	BLACK TIGER 115
item number	209.95 € TEX2200	255.95 € TEX2204-EVO
	2 bypass diodes	3 instead of 2 bypass diodes
cells per module	4 × 14	4 × 8
power tolerance		±3%
nominal peak power (P _{max})	100W	115W
nominal voltage (V _{mpp})	31.0V	26.4V
nominal current (I _{mpp})	3.23A	4.36A
power temperature coefficient	-0.29%/K	-0.27%/K
voltage temperature coefficient	-0.241%/K	-0.236%/K
current temperature coefficient	0.052%/K	0.058%/K
open circuit voltage (V _{oc})	37.20V	31.68V
short circuit current (I _{sc})	3.48A	4.70A
cell technology	Sunpower Maxeon Gen. 3	
cell efficiency	24.12%	24.4%
operating temperature	-40 to +85 °C	
max. system voltage	600VDC	
size	955 × 540 × 35 mm	570 × 1060 × 35 mm
weight	5.9kg	6.8kg

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)

IP65 junction box

black anodized frame



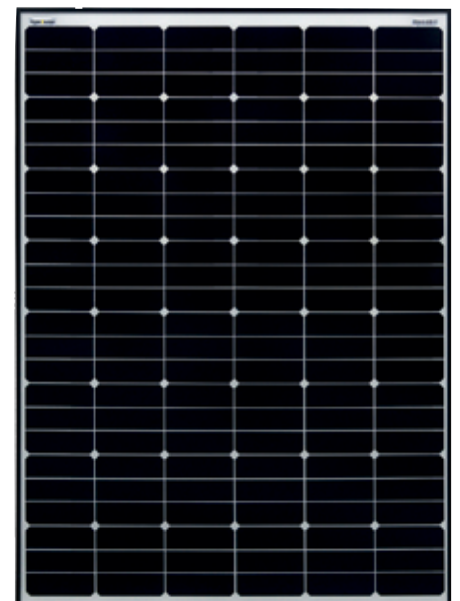


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	BLACK TIGER 120	266.95 €	BLACK TIGER 150	324.95 €
item number	TEX2202-EVO		TEX2203-EVO	
	3 instead of 2 bypass diodes			
cells per module	3 × 11		4 × 10	
power tolerance	±3%			
nominal peak power (P _{max})	120W		150W	
nominal voltage (V _{mpp})	36.0V		44.0V	
nominal current (I _{mpp})	3.33A		3.41A	
power temperature coefficient	-0.27%/K			
voltage temperature coefficient	-0.236%/K			
current temperature coefficient	0.058%/K			
open circuit voltage (V _{oc})	43.20V		52.80V	
short circuit current (I _{sc})	3.60A		3.68A	
cell technology	Sunpower Maxeon Gen. 3			
cell efficiency	24.4%			
operating temperature	-40 to +85 °C			
max. system voltage	600VDC			
size	420 × 1440 × 35 mm		550 × 1315 × 35 mm	
weight	7kg		8.1 kg	

	BLACK TIGER 180	389.95 €
item number	TEX2201	
	NEW: 3 instead of 2 bypass diodes	
cells per module	6 × 24	
power tolerance	±3%	
nominal peak power (P _{max})	180W	
nominal voltage (V _{mpp})	39.6V	
nominal current (I _{mpp})	4.55A	
power temperature coefficient	-0.29 %/K	
voltage temperature coefficient	-0.241%/K	
current temperature coefficient	0.052%/K	
open circuit voltage (V _{oc})	47.52V	
short circuit current (I _{sc})	4.91A	
cell technology	Sunpower Maxeon Gen. 3	
cell efficiency	24.12%	
operating temperature	-40 to +85 °C	
max. system voltage	600 VDC	
size	1100 × 796 × 35 mm	
weight	9.5kg	



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