

## **20-WATT SOLAR PANEL**

Our 20-Watt Solar Panel is manufactured at our TÜV Rheinland certified plant in Cape Town. It is a high-quality affordable product, with dual USB ports enabling simultaneous charging and power output for USB devices.

- 2 x USB Type A outputs
- Output: 5V, 2000mA max



**PURCHASE  
HERE**



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## ELECTRICAL CHARACTERISTICS

Tested at PI Photovoltaik-Institut Berlin AG

Max Power (Pmax)	22.29W
Max Power Voltage (Vmp)	7.46V
Max Power Current (Imp)	2.99A
Open Circuit Voltage (Voc)	8.91V
Short Circuit Current (Isc)	3.16A
Power Tolerance	+10%
Cell Efficiency	18%
Max System Voltage	400V



## TEMPERATURE CO-EFFICIENTS

Tested at PI Photovoltaik-Institut Berlin AG

Temperature Co-Efficient of Pmax	-0.450%/°C
Temperature Co-Efficient of Voc	-0.327%/°C
Temperature Co-Efficient of Isc	0.046%/°C



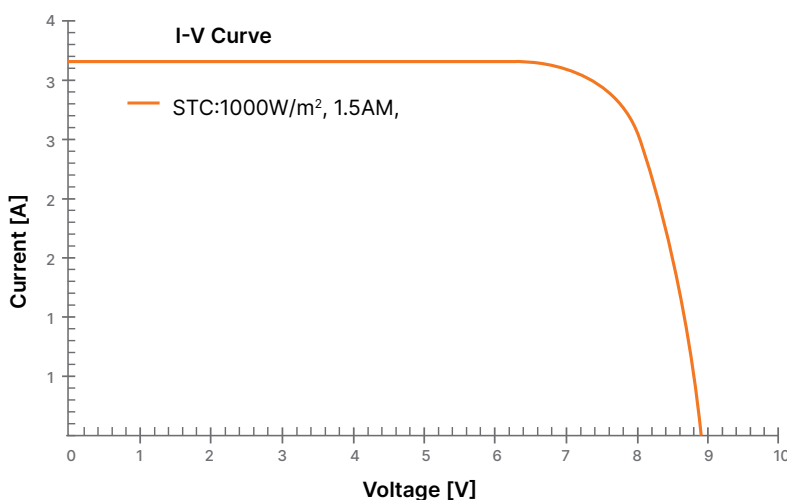
## MECHANICAL CHARACTERISTICS

Dimensions	350mm x 470mm x 17mm
Weight	1.8kg
Solar Cells	5BB Multi-Crystalline Silicon 156.75mm x 52.25mm
Cell Arrangement	14 (2 x 7)
Construction	Low Iron, AR Coated Tempered Solar Glass
Frame	Anodized Aluminium



## OUTPUT CHARACTERISTICS

Junction Box	2 x USB Type A
Output	5V, 2000mA max



Ener-G-Africa (EGA) helps to tackle the challenges of climate change and improve the lives of people in Africa through its research and development of quality sustainable energy products.

EGA manufactures and distributes locally-made solar panels, biomass fuels and a range of biomass cooking stoves. EGA promotes access to clean and renewable energy for all, while protecting Africa's natural resources for future generations.