

Sustainability through Innovation

ENER AFRICA



Cooks like gas with biomass

Available as a single- or double-burner model, the Fab Stove provides high-efficiency combustion cooking by burning eco-friendly biomass pellets cleanly and efficiently at a fraction of the cost of LPG Gas. The stove can also operate with a 20-watt solar panel and a power bank with a cable that comes with the unit. The stove can be used for indoor or outdoor cooking.



VIEW THE
FAB BRAND



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STOVE PHYSICAL CHARACTERISTICS

Dimensions LxWxH	329mm x 311mm x 397mm
Weight	4.48kg
Stove Material	430DDQ Stainless Steel
Handle Material	Heat Resistant Rubber



PANEL ELECTRICAL CHARACTERISTICS

Tested at PI Photovoltaik-Institute 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



PANEL 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



POWER BANK MECHANICAL CHARACTERISTICS

Dimensions	146mm x 69mm x 16mm
Weight	218g



PANEL 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



PANEL OUTPUT CHARACTERISTICS

Junction	2 x USB Type A
Box 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.