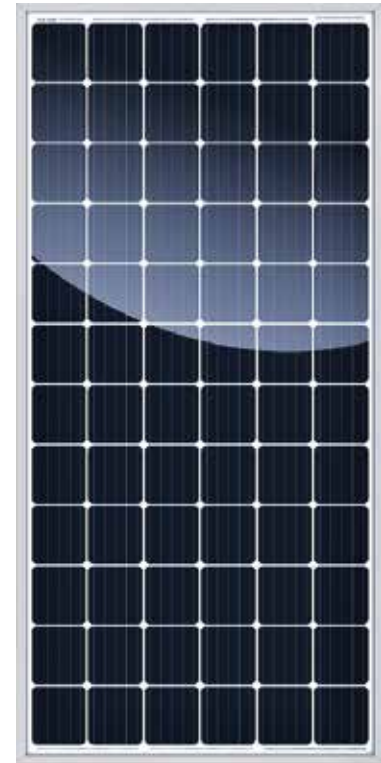




AFR-375M

375-Watt Monocrystalline
Photovoltaic Module

African Energy modules are made by some of the world's most sophisticated module manufacturers and are designed for Africa's off-grid solar charging and water pumping needs. The modules include efficient crystalline cells set in a solid aluminum frame and feature TÜV and IEC certification. With a 25 year warranty, these modules can provide power for several generations - and the quality is assured by African Energy's decade of experience in the solar industry.



Maximum Power at STC (Pmax) [Wp]	375
Voltage at Pmax (Vmp) [V]	39,2
Current at Pmax (Imp) [A]	9,57
Open Circuit Voltage (Voc) [V]	48,3
Short Circuit Current (Isc) [A]	10,24
Fuse Rating [A]	15
Maximum System Voltage	1000/1500
Power Tolerance	+5%

PHYSICAL CHARACTERISTICS

Solar Cells (mm)	Monocrystalline
Number of Cells	72
Junction Box Protection Class	IP68
Connector	MC4 Compatible
Cables (Length [mm])	1000
Dimension [mm]	1956x992x40mm
Weight [kg]	22

THERMAL CHARACTERISTICS

NOCT**	45 +/-2 °C
Temperature Coefficient of Pmax	-0.40% /°C
Temperature Coefficient of Voc	-0.32%°C
Temperature Coefficient of Isc	+0.05 %/°C
Operating Temperature	-40 to +85 °C

STC*: Irradiance of 1000W/m², AM1.5 Spectrum and Cell Temperature of 25 °C . NOCT**: Irradiance of 800W/m², ambient temperature 20 °C and wind speed 1 m/s

