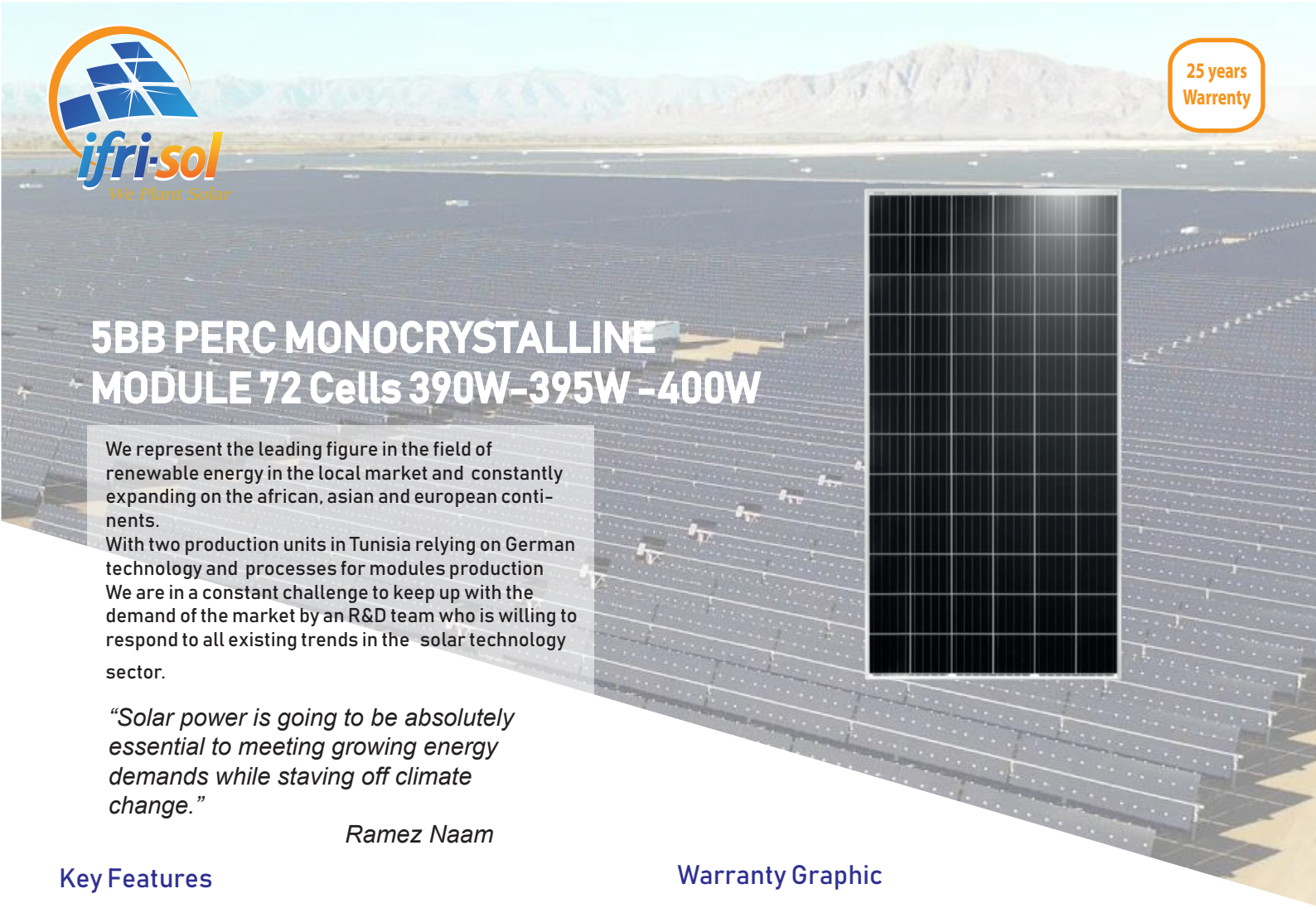
ifri-sol
We Plant Solar

25 years Warrenty



5BB PERC MONOCRYSTALLINE MODULE 72 Cells 390W-395W -400W

We represent the leading figure in the field of renewable energy in the local market and constantly expanding on the african, asian and european continents.
With two production units in Tunisia relying on German technology and processes for modules production
We are in a constant challenge to keep up with the demand of the market by an R&D team who is willing to respond to all existing trends in the solar technology sector.

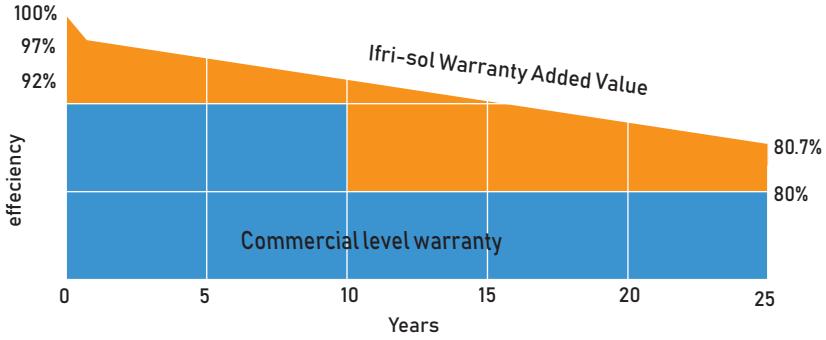
"Solar power is going to be absolutely essential to meeting growing energy demands while staving off climate change."

Ramez Naam

Key Features

- Excellent Low Light Performance
- Positive Power Tolerance Guaranteed (0-5Wp)
- Maximum 5400 Pa Snow Load
- Maximum 2400 Pa Wind Load
- PID Resistant
- Outstanding Weather Resistance
- 10 Years Manufacturer's Warranty

Warranty Graphic



Comprehensive Certificates

-IEC 61215 , IEC 61730 :2016

-ISO 9001 :2015 Quality Management Systems

-ISO 14001 : 2015 Environmental Management Systems

-OHSAS 18001 : 2007 Occupational Health and Safety Management Systems

-BS OHAS 18001 : 2007 design manufacturing and sales of photovoltaic Modules

-UL 1703 Certified Product

High Linear Performance Guarantee

10 year Manufacturer Guarantee on 92% of the Nominal performance

25 year Manufacturer Guarantee on 80.7% of the Nominal performance

TÜVRheinland

CE

www.ifrisol.solar

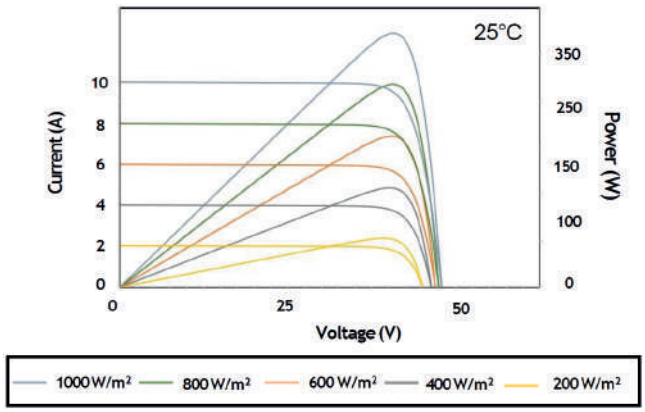
contact@ifrisol.solar
+216 29 533 333 / +216 73 381 853
+216 73 381 854

ifrisol
ifrisol
Ifrisol1

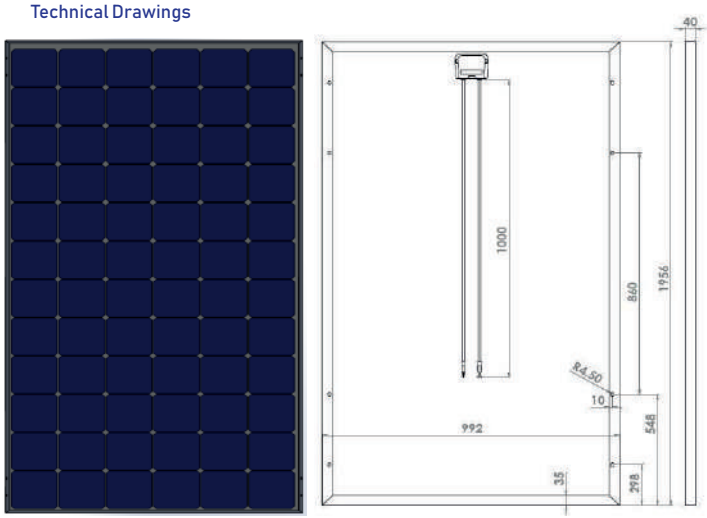
This product was designed and manufactured by Ifrisol Corp. in the Republic Tunisia and have been certified by the renowned German labs and facilities.

ifri-sol
We Plant Solar

Current-Voltage/Power-VoltageCurves,IF-M375-72



Technical Drawings



Electrical Specification

Module Type	Nominal Power Pmpp	Nominal Voltage Umpp	Nominal Current Impp	Open CircuitVoltage Uoc	Short Circuit Current Isc	Module Conversion Efficiency
IF-M390-72	390 Wp	40.82 V	9.60 A	47.88 V	10.14 A	19.82%
IF-M395-72	395 Wp	41.11 V	9.62 A	48.02 V	10.18 A	20.07%
IF-M400-72	400 wp	41.18 V	9.74 A	49.54 V	10.27 A	20.32%

Electrical Data at STC (STANDARD TEST CONDITIONS): 1000W/m² Irradiance, 25°C Cell Temperature, AM1.5g Spectrum According to EN 60904-3,

NMOT

Module Type	Nominal Power Pmpp	Nominal Voltage Umpp	NominalCurrent Impp	Open CircuitVoltage Uoc	Short CircuitCurrent Isc
IF-M375-72	288.12 Wp	37.45 V	7.69A	45.59 V	8.06 A
IF-M380-72	293.12 Wp	38.01 V	7.71A	45.73 V	8.10 A
IF-M385-72	298.12 Wp	38.56 V	7.73A	47.25 V	8.19 A

Electrical Data at NMOT : 800W/m² Irradiance, 20°C Ambient Temperature, 1m/s Power Measurement Tolerance : +/-3%,

Design

Front Glass	3.2mm High Transmittance and White Glass
Encapsulant	Ethylene Vinyl Acetate (E.V.A)
Cell	5BB Monocrystalline High Efficiency/ 72pcs
Backside	Composite Film(white, black,...)
Frame	40mm Anodized Aluminum (Silver/Black)

Limit Values

Maximum SystemVoltage	1500VDC
Maximum Series FuseRating	16A
Limiting Reverse Current	16A
NMOT	45±2°C
OperatingTemperature	From -40°C to85°C
MaximumLoad	2400N/m²

Mechanical Specification

Dimensions (H x W x D)	1970mm × 992mm × 40mm
Weight	23Kg

Temprature Coefficients

Voltage Uoc	-0.30% / °C
Current ISC	+0.06% / °C
Output Power	-0.38% / °C

Power Connection

Junction Box	IP68 Junction Box with 3 BypassDiodes(clamping//soldering)
Cable Solar Cable	Length (1000//1200) mm , 4mm² Prefabricated with MC4-CombinedPlug
Application Class	Class II (according to IEC61730)

Packaging Specifications

Dimensions (HxWxD)	1995mm × 1120mm × 1160mm
Module Quantity per carton	31
Module Qty per carton 20 in	310
Module per container 40 in HC	737

Caution: Technical data are subject to change without any notice, errors expected