

5BB MONO PERC MODULE 60 Cells 310W-315W-320W

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.

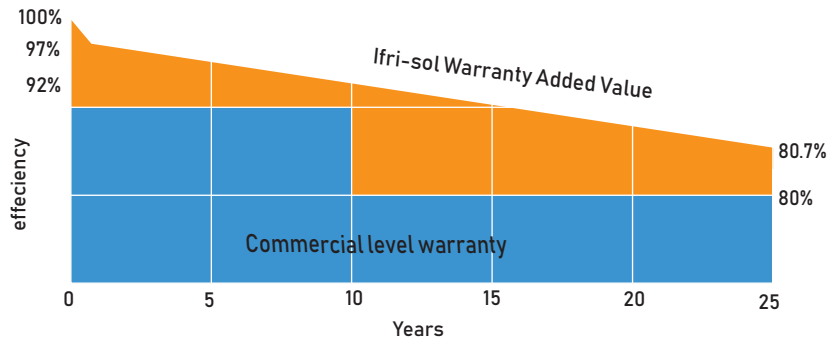
"It's time for the human race to enter the solar system."

Dan Quayle

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



www.ifrisol.solar

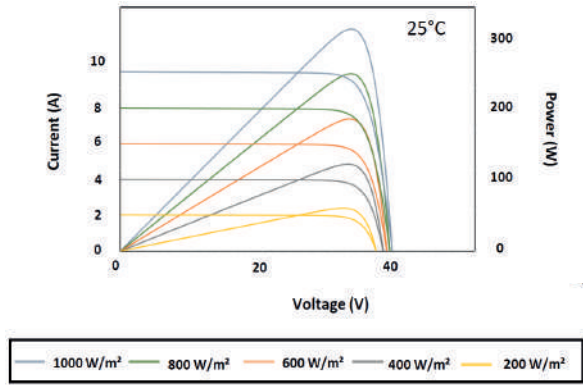
All Rights are Reserved to Ifri-sol

-  contact@ifrisol.solar
-  +216 29 533 333 / +216 73 381853
-  +216 73 381 854

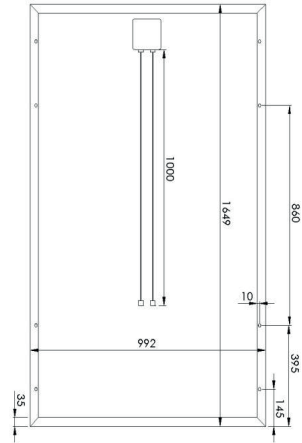
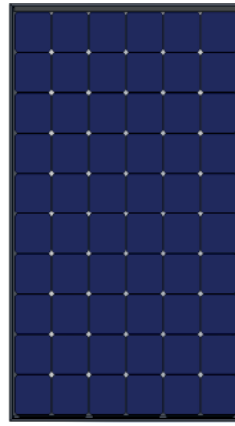
-  ifrisol
-  ifrisol
-  Ifrisol1

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

Current-Voltage/Power-Voltage Curves,IF-M310-60



Technical Drawings



Electrical Specification

Module Type	Nominal Power Pmpp	Nominal Voltage Umpp	Nominal Current Impp	Open Circuit Voltage Uoc	Short Circuit Current Isc	Module Conversion Efficiency
IF-M310-60	310 wp	32.82 V	9.44 A	40.31 V	9.90 A	18.95 %
IF-M315-60	315 wp	33.16 V	9.51 A	40.52 V	9.97 A	19.25%
IF-M320-60	320 wp	33.49 V	9.56 A	40.80 V	10.05 A	19.56%

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	Nominal Current Impp	Open Circuit Voltage Uoc	Short Circuit Current Isc
IF-M310-60	228.26wp	30.18 V	7.54 A	37.15 V	7.92 A
IF-M315-60	232.04wp	30.41 V	7.61 A	37.34 V	7.98 A
IF-M320-60	235.12wp	30.70 V	7.66 A	37.62 V	8.05 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/ 60pcs
Backside	Composite Film(white, black,...)
Frame	35mm Anodized Aluminum(Silver/Black)

Mechanical Specification

Dimensions (H x W x D)	1649mm x 992mm x 35mm
Weight	19 Kg

Power Connection

Junction Box	IP67 Junction Box with 3 Bypass Diodes (clamping//soldering)
Cable Solar Cable	Length 1000 mm , 4mm² Prefabricated with MC4-Combined Plug
Application Class	Class II (according to IEC 61730)

Limit Values

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	16A
Limiting Reverse Current	16A
NMOT	45±2°C
Operating Temperature	From -40°C to 85°C
Maximum Load	2400N/m²

Temperature Coefficients

Voltage Uoc	-0.31% / °C
Current Isc	+0.06% / °C
Output Power	-0.38% / °C

Packaging Specifications

Dimensions (HxWxD)	1670mm x 1120mm x 1160mm
Module Quantity per carton	31
Module Qty per carton 20 in	372
Module per container 40 in HC	938

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

