ifri-sol
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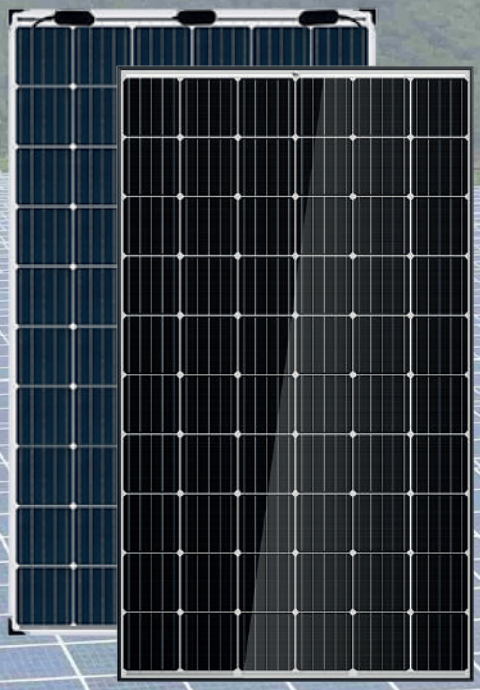
25 years Warrenty



SIRIUS 5BB PERC BIFACIAL MODULE 60 Cells 315W - 320W - 325W

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.

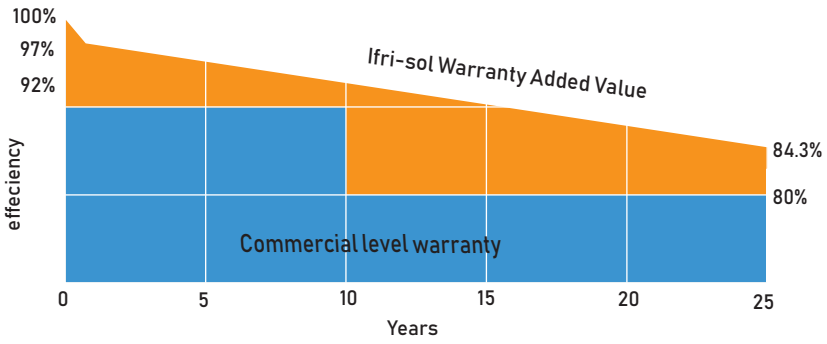
"Solar power is the last energy resource that isn't owned yet - nobody taxes the sun yet."

Bonnie Raitt

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

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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.

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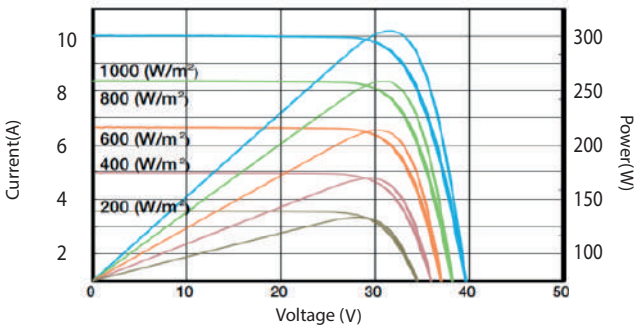
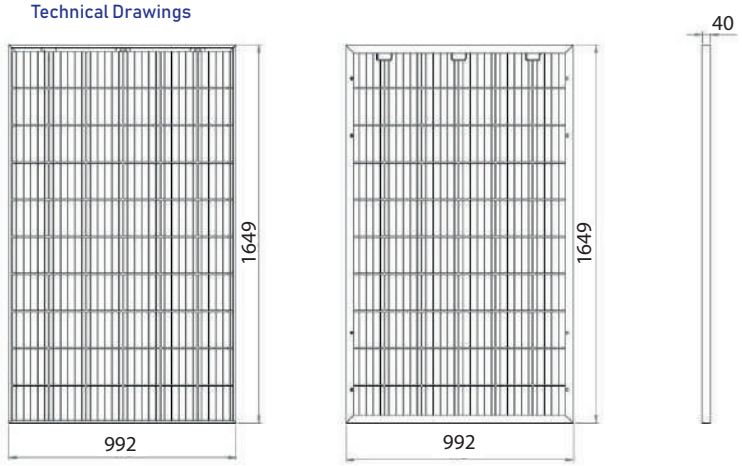
Current-Voltage Curve IF-BTM315-60



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-BTM315-72	315 Wp	33.97 V	9.27 A	40.68 V	9.84A	19.26%
IF-BTM320-72	320 Wp	34.37 V	9.31 A	40.74 V	9.88A	19.56%
IF-BTM325-72	325 Wp	34.83 V	9.33 A	40.80 V	9.90A	19.86%

Electrical data at STC (STANDARD TEST CONDITIONS): 1000W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3,

Electrical Characteristics with different Rear Side Power Gain (references from 320)

Back side Power Gain	5%	10%	15%	20%	25%
Related Max Power (Pmax) [W]	336	352	368	384	400
Open CircuitVoltage (Uoc)[V]	40.75	40.75	40.75	40.85	40.85
Max Power Voltage (Umpp) [V]	34.38	34.38	34.38	34.48	34.48
Short Circuit Current (Isc)[A]	10.38	10.90	11.40	11.91	12.41
Max PowerCurrent (Impp) [A]	9.78	10.24	10.71	11.14	11.61

Remark: Substantial gains in energy yield can be achieved by using a high albedo for surface below and around the modules.

Design

Front Glass	3.2mm High Transmittance and White Glass
Encapsulant	Ethylene Vinyl Acetate (E.V.A)
Cell	5BB Bifacial Monocrystalline PERC high efficiency/ 60 pcs
Backside	Transparent Backsheet for Bi-facial Module
Frame	40 mm Anodized Aluminum (Silver/Black)

Limit Values

System Voltage	1500VDC
NOCT	45±2° C
Related Current	16A
Operating Temperature	From -40° C to 85° C
Maximum Load	2400N/m²
Bifaciality	70% ± 5%

Mechanical Specification

Dimensions (H x W x D)	1649m × 992mm × 40mm
Weight	19 Kg

Temprature Coefficients

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

Power Connection

Junction Box	3 × IP67 junction box / 3 bypass diodes(clamping//soldering)
Cable Solar Cable	Length 500 mm , 4mm² Prefabricated with MC4-Combined Plug
Application Class	Class A (According to IEC 61730)

Packaging Specifications

Dimensions (HxWxD)	1670mm × 1120mm × 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