


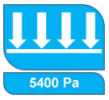



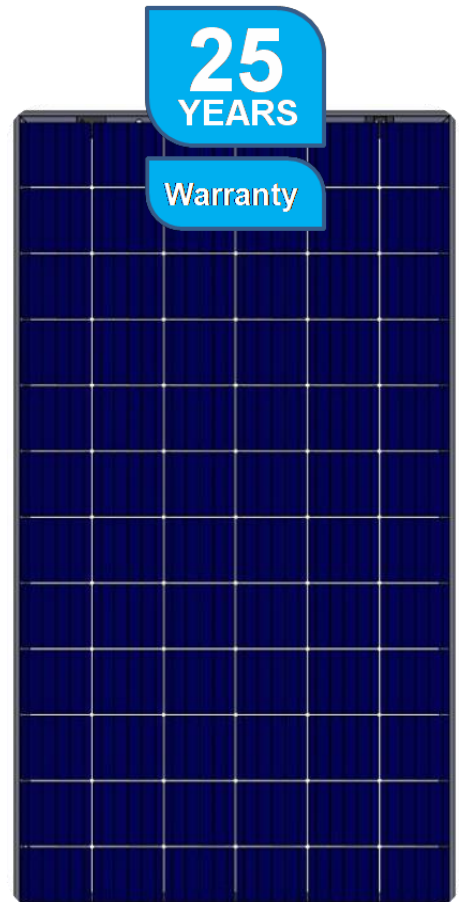


High Performance Bifacial With Transparent Backsheet Photovoltaic Modules

5BB BIFACIAL MONO PERC CRYSTALLINE MODULE
385W-390W-395W

Key Features:

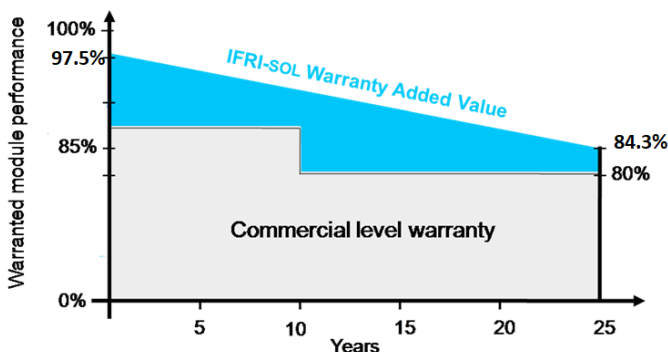
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10 Years Manufacturer's Warranty
- 
Positive Power Tolerance Is Guaranteed (0 to 5 Wp)
- 
Excellent Low Light Performance
- 
Excellent Outstanding Weather-Resistance
- 
Maximum 5400 Pa Snow Load
- 
Maximum 2400 Pa Wind Load



Linear High Performance Guarantee

10 Years Product Warranty On 92.55 % Of The Nominal Performance¹

25 Years Linear Power Output Warranty on 84.30%% of the Nominal Performance¹



Certifications

- Management system TÜV-Certified
ISO 9001:2015: **ID 011001317684**
- ISO 14001: 2015: **ID 011041317684**
- BS OHSAS 18001:2007: **ID 011131317684**



¹According to the IFRI-SOL Product and Performance warranty

Electrical Specification

Module Type	Nominal Power P _{mpp}	Nominal Voltage U _{mpp}	Nominal Current I _{mpp}	Open Circuit Voltage U _{oc}	Short Circuit Current I _{sc}	Module Conversion Efficiency
IF-BTMB385-72	385 Wp	41.00V	9.40A	49.11V	10.09A	18.87%
IF-BTMB390-72	390 Wp	41.11V	9.51A	49.42V	10.14A	19.11%
IF-BTMB395-72	395 Wp	41.41V	9.54A	49.74V	10.19A	19.36%

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 (Reference To 385 Front)

Backside Power Gain	5%	10%	15%	20%	25%
Rated Max Power (P _{max}) [W]	404	424	443	462	481
Open Circuit Voltage (U _{oc}) [V]	49.11	49.11	49.11	49.21	49.21
Max Power Voltage (U _{mpp}) [V]	40.95	41.00	41.00	41.10	41.11
Short Circuit Current (I _{sc}) [A]	10.60	11.10	11.60	12.11	12.61
Max Power Current (I _{mpp}) [A]	9.89	10.35	10.82	11.25	11.71

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 Transmission Low Iron Tempered Glass, AR Coated
Encapsulant	Ethylene Vinyl Acetate (E.V.A)
Cell	5BB Bifacial Mono-Crystalline /158.75 ×158.75 mm/ 72 pcs
Backside	Transparent Backsheet For Bi-Facial Module
Frame	35mm Anodized Aluminum (Silver/Black)

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/m ²
Bifaciality*	70% ± 5%

Mechanical Specification

Dimensions (H×W ×D)	2012mm×1014mm×35mm
Weight	29 Kg

*Bifaciality= P_{max,rear}/Rated P_{max,front}

Temperature Coefficients

Voltage U _{oc}	-0.30%/°C
Current I _{sc}	+0.06%/°C
Output power	-0.38%/°C

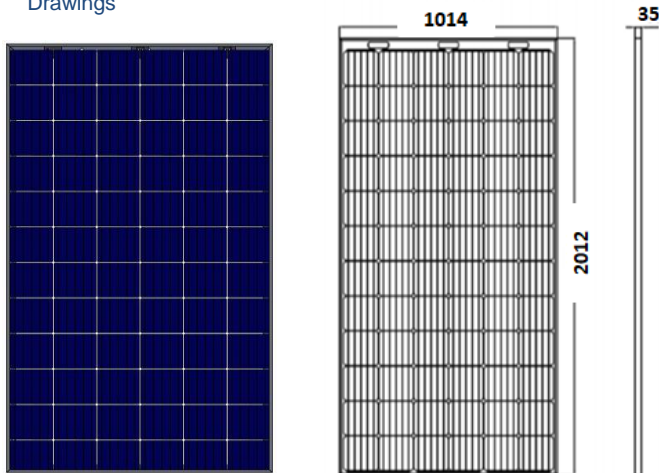
Power Connection

Junction Box	3 × IP68 Junction Box / 3 Bypass Diodes
Solar Cable	Length 500 mm , 4mm ² Prefabricated with MC4-Combined Plug
PV Module Classification	Class II (According to IEC 61730)

Packaging Specification

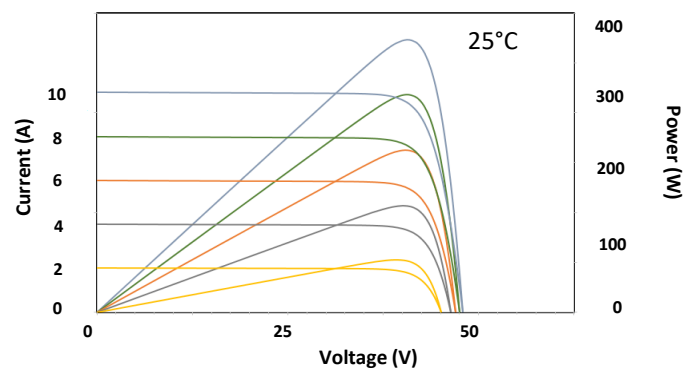
Dimensions (H×W ×D)	2037mm×1175mm×1120mm
Modules Qty Per Carton	31
Modules Qty Per Container 20"	310
Modules Qty Per Container 40" HC	737

Drawings



Dimensions are in mm

Current-Voltage/Power-Voltage Curves, IF-BTMB385-72



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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