







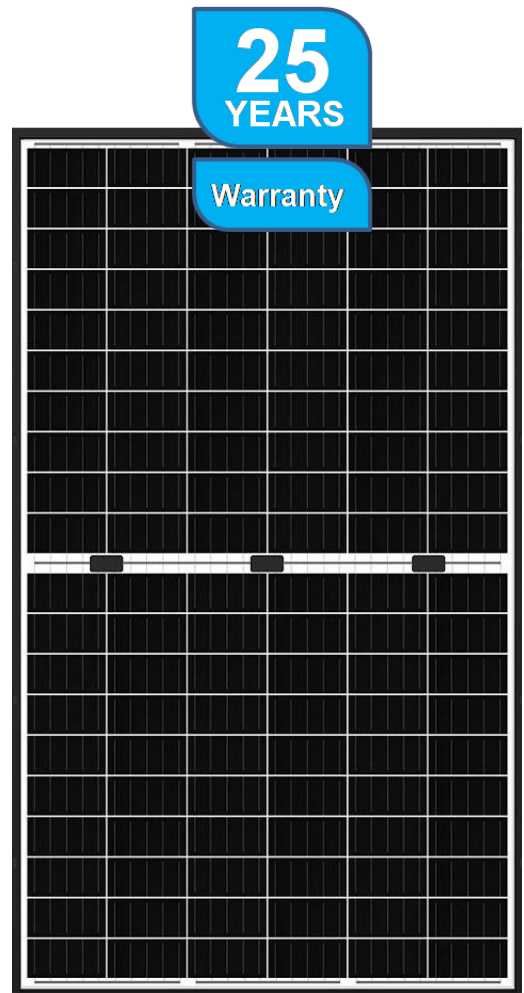


High Performance Bifacial with Transparent Backsheet Photovoltaic Modules

5BB BIFACIAL MONO PERC CRYSTALLINE MODULE
325W-330W-335W

Key Features:

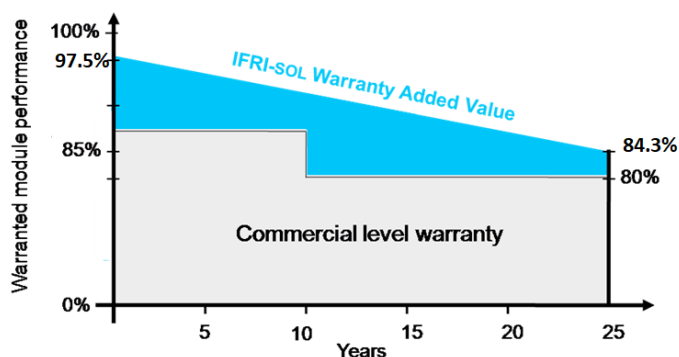
-  Half Cell Technology
-  Lower The Risk Of Hot Spot
-  Higher Power Output
-  Excellent Loading Capability
2400 Pa
5400 Pa
-  Dual EL Inspection
-  Excellent Low Light Performance



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



¹According to the IFRI-SOL Product and Performance Warranty.

Certifications

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



Electrical Specification

Module type	Nominal Power P _{mp}	Nominal Voltage U _{mp}	Nominal Current I _{mp}	Open Circuit Voltage U _{oc}	Short Circuit Current I _{sc}	Module Conversion Efficiency
IF-BTHM325-120	325Wp	34.11V	9.54A	41.00V	9.83A	18.68%
IF-BTHM330-120	330Wp	34.26V	9.64A	41.20V	9.92A	18.96%
IF-BTHM335-120	335Wp	34.59V	9.69A	41.41V	10.01A	19.25%

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 325 Front)

Backside Power Gain	5%	10%	15%	20%	25%
Rated Max Power (P _{max}) [W]	341	357	373	390	406
Open Circuit Voltage (U _{oc}) [V]	41.00	41.00	41.00	41.10	41.10
Max Power Voltage (U _{mp}) [V]	34.11	34.11	34.11	34.21	34.21
Short Circuit Current (I _{sc}) [A]	10.14	10.84	11.34	11.84	12.35
Max Power Current (I _{mp}) [A]	10.00	10.47	10.94	11.40	11.87

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 PERC Mono-Crystalline /158.75 ×79.375 mm/120 Pcs
Backside	Transparent Backsheet for Bi-facial Module
Frame	35mm Anodized Aluminum (Silver/Black)

Mechanical Specification

Dimensions (H×W ×D)	1721mm×1011mm×35mm
Weight	21.5Kg

Power Connection

Junction Box	3×IP68 Junction Box with Bypass Diodes
Solar Cable	Length 300mm , 4mm ² Prefabricated with MC4-Combined Plug
PV Module Classification	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/m ²
Bifaciality*	70% ± 5%

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

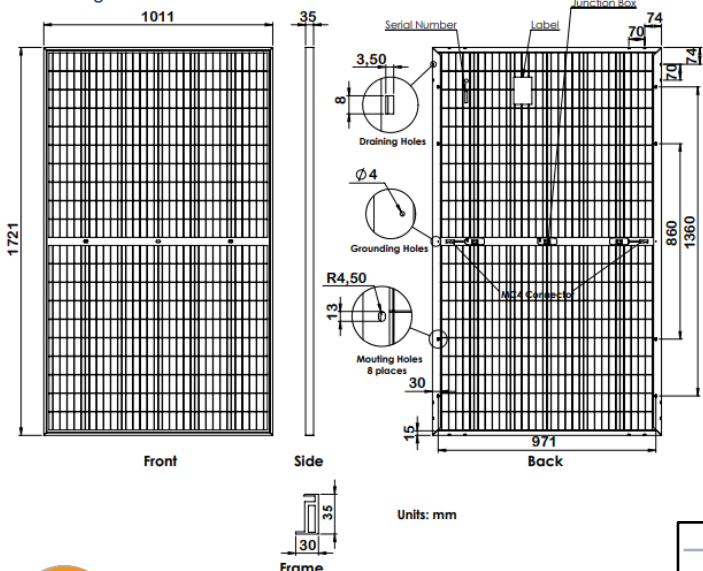
Temperature Coefficients

Voltage U _{oc}	-0.31%/°C
Current I _{sc}	+0.06%/°C
Output power	-0.38%/°C

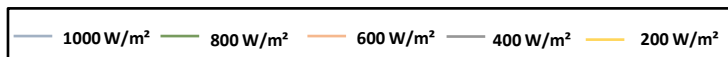
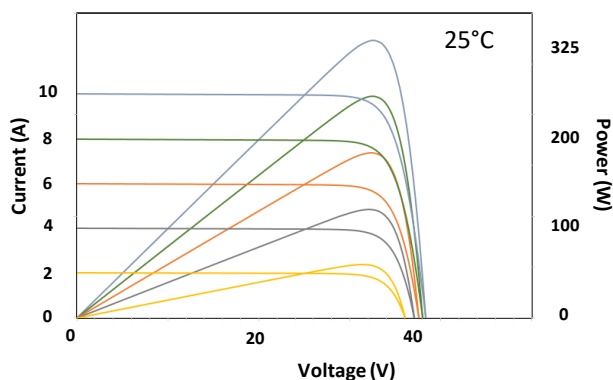
Packaging Specification

Dimensions (H×W ×D)	1746mm×1120mm×1170mm
Modules Qty per Carton	31
Modules Qty per Container 20'	372
Modules Qty per Container 40' HC	871

Drawings



Current-Voltage/Power-Voltage Curves, IF-BTHM325-120



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

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