

High Performance Full Cell Photovoltaic Modules

5BB POLY CRYSTALLINE MODULE
330W-335W-340W-345W

Key Features:

-  High Efficiency Poly Perc Solar Cells
-  Higher Power Output
-  High Snow (5400Pa) and Wind Loads (2400Pa)
-  Excellent Outstanding Weather-Resistance
-  Dual EL Inspection
-  Excellent Low Light Performance
-  Excellent PID Resistance



Linear High Performance Guaranteed

10 Years Product Warranty on 91.20% of the Nominal Performance¹

25 Years Linear Power Output Warranty on 80.70% of the Nominal Performance¹



Certifications

- IEC 61215, IEC 61730: ID 1111220240
 - IEC 61701:2011, EN 61701:2012: ID 1111223964
 - IEC 62716:2013, EN 62716:2013: ID 1111223965
 - IS 14286 / IEC 61215, IS/IEC 61730 - 1&2: R- 41151432
- Management system TÜV-Certified**
- ISO 9001:2015: ID 011001317684
 - ISO 14001: 2015: ID 011041317684
 - ISO 45001:2018: ID 011131815622



¹According to the IFRI-SOL Product and Performance Warranty

IF-P330-72 IF-P335-72 IF-P340-72 IF-P345-72

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-P330-72	330Wp	36.63V	9.01A	45.41V	9.48A	16.66%
IF-P335-72	335Wp	36.98V	9.06A	45.76V	9.56A	16.91%
IF-P340-72	340Wp	37.33V	9.11A	46.11V	9.64A	17.16%
IF-P345-72	345Wp	37.67V	9.16A	46.36V	9.72A	17.42%

Electrical Data At STC (STANDARD TEST CONDITIONS): 1000W/m² Irradiance, 25°C Cell Temperature, AM1.5g Spectrum According to EN 60904-3.
Manufacturing Tolerance (Pmax,Voc,Isc) : ±3%

NMOT

Module Type	Nominal Power Pmpp	Nominal Voltage Umpp	Nominal Current Impp	Open Circuit Voltage (Uoc)	Short Circuit Current (Isc)
IF-P330-72	266.64Wp	33.67V	7.92A	42.45V	8.39A
IF-P335-72	271.50Wp	34.07V	7.97A	42.80V	8.47A
IF-P340-72	276.36Wp	34.46V	8.02A	43.15V	8.55A
IF-P345-72	281.22Wp	34.85V	8.07A	43.50V	8.63A

Electrical Data At NMOT: 800W/m² Irradiance, 20°C Ambient Temperature, 1m/s Wind Speed.
Manufacturing Tolerance (Pmax,Voc,Isc) : ±3%

Design

Front Glass	3.2mm High Transmission Low Iron Tempered Glass, AR Coated
Encapsulant	Ethylene Vinyl Acetate (E.V.A)
Cell	5BB PERC Polycrystalline /157×157mm/ 72 Pcs
Backside	Composite Film (White, Black, ...)
Frame	35mm Anodized Aluminum (Silver/Black)

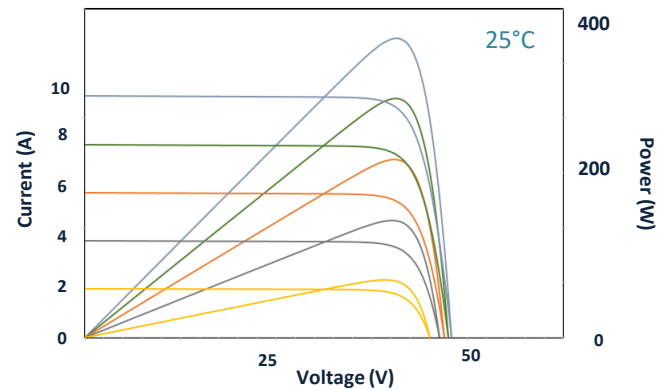
Power Connection

Junction Box	IP68 Junction Box With 3 Bypass Diodes
Solar Cable	Length 1200 mm , 4mm ² Prefabricated with latching type connectors
Safety Class	Class II (According to IEC 61140)

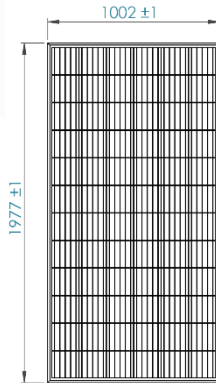
Packaging specification

Dimensions (L×W ×H)	2002mm ×1150mm×1145 mm
Modules Qty per Carton	31
Modules Qty per Container 20"	310
Modules Qty per Container 40" HC	737

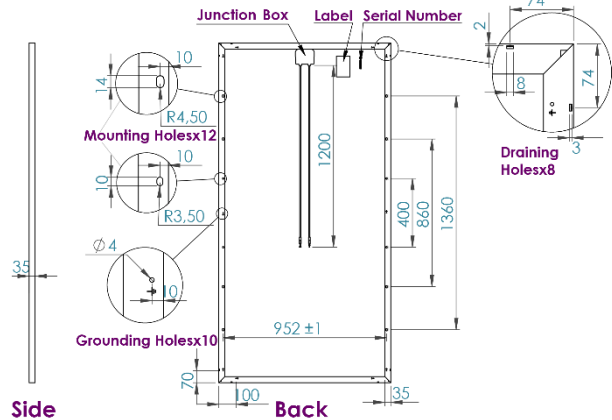
Current-Voltage/Power-Voltage Curves,IF-P340-72



Drawings

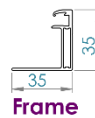


Front



Side

Back



Frame

Performance at low irradiance :

Outstanding performance at low irradiance, with an average relative efficiency of 96.48% from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

Temperature Coefficients

Voltage Uoc (β)	-0.32%/°C
Current Isc (α)	+0.05%/°C
Output Power (γ)	-0.41%/°C
NMOT	45±2°C

Operating conditions

Maximum System Voltage	1500VDC
Maximum Series Fuse	20A
Operating Temperature Range	From -40°C to 85°C
Mechanical Load Test (Front/back)	5400Pa/2400Pa

Mechanical Specification

Dimensions (L×W ×H)	1977mm×1002mm ×35mm (±1mm)
Weight	23.5Kg