



High performance photovoltaic modules

5BB PERC MONO CRYSTALLINE MODULE 375 - 385 WATT

Key features:



10 years manufacturer's warranty



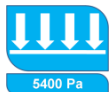
Positive power tolerance is
Guaranteed (0 to 5 Wp)



Excellent low light performance



Excellent outstanding
weather-resistance



Maximum 5400 Pa snow load



Maximum 2400 Pa wind load

25
YEARS

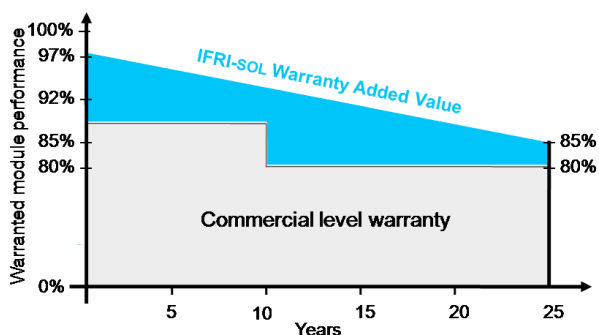
Warranty



Linear high performance guarantee

10 years manufacturer's guarantee on 92 % of the nominal performance¹

25 years manufacturer's guarantee on 85 % of the nominal performance¹



Management system TÜV-Certified
DIN ISO 9001:2008
ID 9102077424

¹According to the IFRI-SOL Product and Performance Guarantee

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-M375-72	375Wp	39.74V	9.44A	48.45V	9.98A	19.32%
IF-M380-72	380Wp	40.02V	9.49A	48.70V	10.03A	19.58%
IF-M385-72	385Wp	40.29V	9.55A	48.98V	10.10A	19.84%

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

NOCT

Module type	Nominal power Pmpp	Nominal voltage Umpp	Nominal current Impp	Open circuit voltage Uoc	Short circuit current Isc
IF-M375-72	276.16Wp	36.76V	7.50A	44.80V	7.90A
IF-M380-72	279.47Wp	36.99V	7.55A	45.10V	7.95A
IF-M385-72	283.12Wp	37.23V	7.59A	45.37V	8.02A

Electrical under nominal operation cell temperature, 800W/m² irradiance, 20°C cell temperature, AM1.5g spectrum according to EN 60904-3, wind speed 1 m/s

Design

Front glass	3.2mm high transmittance and white glass
Encapsulant	Ethylene Vinyl Acetate (E.V.A)
Cell	5BB monocrystalline high efficiency / 72 pcs
Backside	Composite film (white, black, ...)
Frame	40mm anodized aluminum (Silver/Black)

Limit values

System voltage	1500VDC
NOCT	45±2°C
Rated current	16A
Operating temperature	From -40°C to 85°C
Maximum load	2400N/m²

Mechanical specification

Dimensions (H×W ×D)	1956mm × 992mm × 40mm
Weight	23Kg

Temperature coefficients

Voltage Uoc	-0.30%/°C
Current Isc	+0.06%/°C
Output power	-0.38%/°C

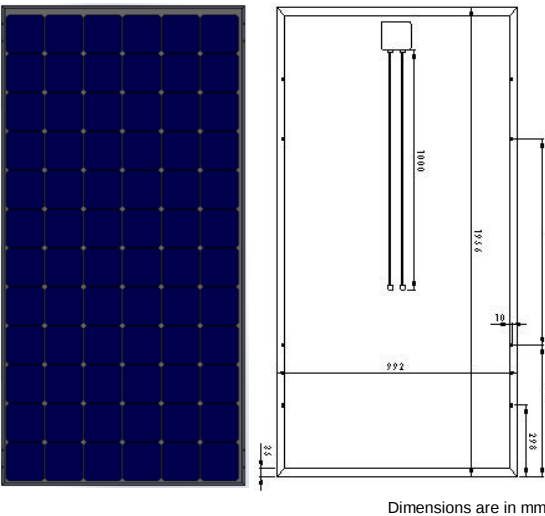
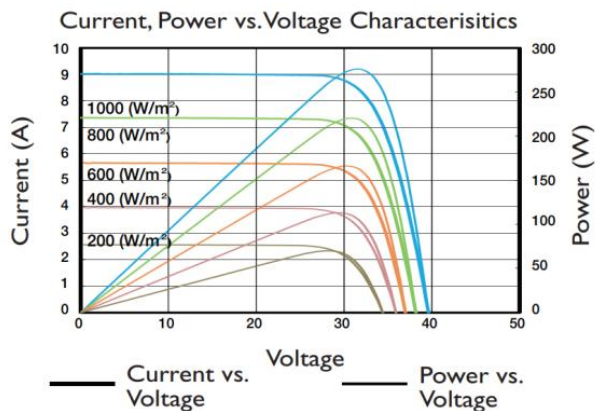
Power connection

Junction box	IP67 junction box with 3 bypass diodes
Cable solar cable	Length 1200 mm , 4mm² Prefabricated with MC4-combined plug
Applicaton class	Class A (according to IEC 61730)

Packaging specification

Dimensions (H×W ×D)	1970mm × 1065mm × 1160mm
Modules Qty per carton	27
Modules Qty per container 20"	270
Modules Qty per container 40" HC	649

Drawings



Dimensions are in mm