



High performance half-Cell photovoltaic modules

5BB PERC MONO CRYSTALLINE MODULE 375 - 385 WATT

25
YEARS

Key features:



10 years manufacturer's warranty



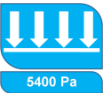
Positive power tolerance is Guaranteed (0 to 5 Wp)



Excellent low light performance



Excellent outstanding weather-resistance



Maximum 5400 Pa snow load



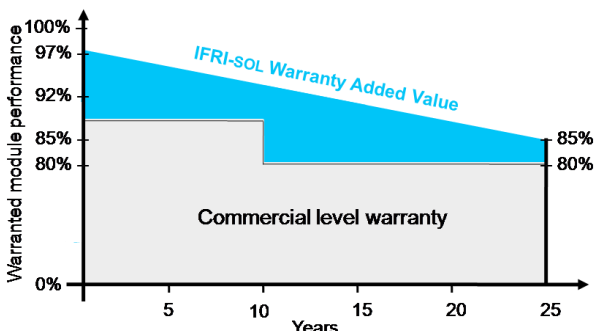
Maximum 2400 Pa wind load



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 P _{mpp}	Nominal voltage U _{mpp}	Nominal current I _{mpp}	Open circuit voltage U _{oc}	Short circuit current I _{sc}	Module conversion efficiency
IF-HM375-72	375 Wp	39.58V	9.48A	47.78V	10.03A	18.90%
IF-HM380-72	380 Wp	39.80V	9.55A	48.05V	10.09A	19.15%
IF-HM385-75	385 Wp	40.06V	9.61A	48.32V	10.17A	19.40%

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 P _{mpp}	Nominal voltage U _{mpp}	Nominal current I _{mpp}	Open circuit voltage U _{oc}	Short circuit current I _{sc}
IF-HM375-72	278 Wp	36.59V	7.58A	44.28V	8.02A
IF-HM380-72	281 Wp	36.81V	7.64A	44.51V	8.08A
IF-HM385-72	287 Wp	37.07V	7.71A	44.82V	8.16A

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 PERC 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/m ²

Mechanical specification

Dimensions (H×W×D)	2000mm × 992mm × 40mm
Weight	23Kg

Temperature coefficients

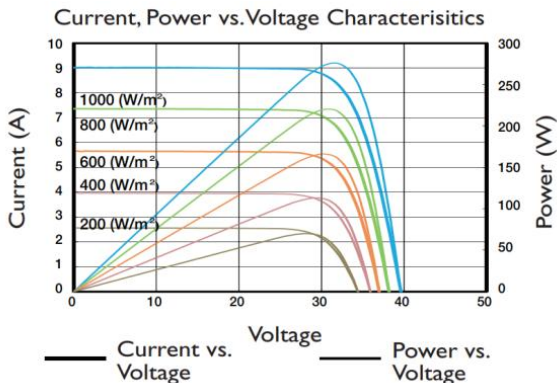
Voltage U _{oc}	-0.31%/°C
Current I _{sc}	+0.06%/°C
Output power	-0.38%/°C

Power connection

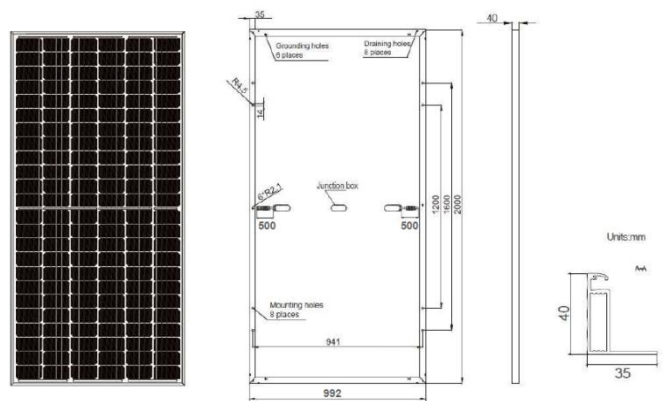
Junction box	IP67 junction box with 3 bypass diodes
Cable solar cable	Length 1000 mm , 4mm ² Prefabricated with MC4-combined plug
Applicaton class	Class A (according to IEC 61730)

Packaging specification

Dimensions (H×W×D)	2050mm × 1110mm × 1160mm
Modules Qty per carton	27
Modules Qty per container 20"	270
Modules Qty per container 40" HC	649



Drawings



Dimensions are in mm

Technical data are subject to change without prior notice, errors excepted.

March 2019