

IF-P270-60  
IF-P275-60  
IF-P280-60



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## High performance photovoltaic modules

60 cells / polycrystalline photovoltaic module

25  
YEARS

Warranty

### Key features:

**10 YEARS** Warranty  
10 years manufacturer's warranty

**Wp**  
Positive power tolerance is Guaranteed (0 to 5 Wp)

**Performance**  
Excellent low light performance

**IP67**  
Excellent outstanding weather-resistance

**5400 Pa**  
Maximum 5400 Pa snow load

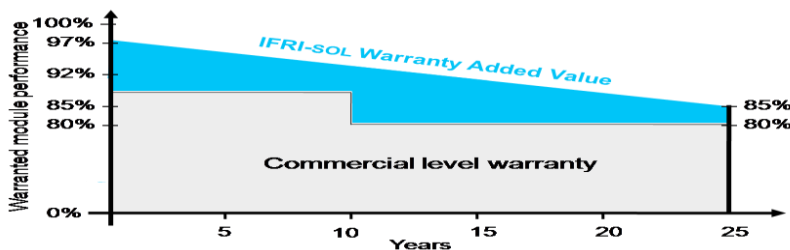
**2400 Pa**  
Maximum 2400 Pa wind load



## Linear high performance guarantee

10 Year Product Warranty

25 Year Linear Power Warranty



IEC 61215 / IEC 61730  
IEC 61701 / IEC 62716  
Bilan carbone

## Electrical specification

Module type	Nominal power P <sub>mpp</sub>	Nominal voltage U <sub>mpp</sub>	Nominal current I <sub>mpp</sub>	Open circuit voltage U <sub>oc</sub>	Short circuit current I <sub>sc</sub>	Module conversion efficiency
IF-P270-60	270 Wp	32.70V	8.35A	38.34V	8.81A	16.50%
IF-P275-60	275 Wp	32.71V	8.49 A	38.58 V	8.96A	16.81%
IF-P280-60	280 Wp	32.82V	8.54A	38.70V	8.99A	17.43%

Electrical data at STC (STANDARD TEST CONDITIONS): 1000W/m<sup>2</sup> irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3,

## NOCT

Module type	Nominal power P <sub>mpp</sub>	Nominal voltage U <sub>mpp</sub>	Nominal current I <sub>mpp</sub>	Open circuit voltage U <sub>oc</sub>	Short circuit current I <sub>sc</sub>
IF-P270-60	196.02Wp	29.88V	6.64A	35.08V	6.96A
IF-P275-60	199.65Wp	29.89V	6.75A	35.30V	7.08A
IF-P280-60	203.28Wp	29.99V	6.79A	35.41V	7.10A

Electrical data at STC (STANDARD TEST CONDITIONS): 1000W/m<sup>2</sup> irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3

## Design

Front glass	3.2mm high transmittance and white glass
Encapsulant	E.V.A
Cell	60 polycrystalline high efficiency 156.75mm*156.75mm
Backside	Composite film (white, black, ...)
Frame	35mm anodized aluminum (Silver/Black)

## Limit values

System voltage	1500VDC
NOCT	47±2°C
Rated current	16A
Operating temperature	From -40°C to 85°C
Maximum load	2400N/m <sup>2</sup>

## Mechanical specification

Dimensions (H×W ×D)	1649mm × 992mm × 35mm
Weight	19Kg

## Temperature coefficients

Voltage U <sub>oc</sub>	-0.330%/°C
Current I <sub>sc</sub>	+0.058%/°C
Output power	-0.410%/°C

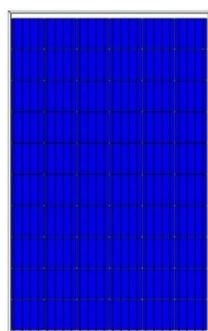
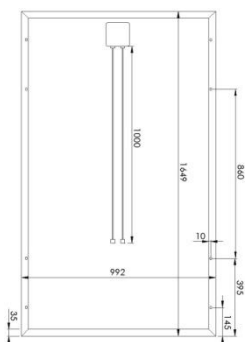
## Power connection

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

## Packaging specification

Dimensions (H×W ×D)	1660mm × 1110mm × 1160mm
Modules Qty per carton	31
Modules Qty per container 20"	372
Modules Qty per container 40" HC	938

## Drawings



Dimensions are in mm

## IV Curve

