

IF-P160-36
IF-P165-36



www.ifrisol.com

High performance photovoltaic modules

36 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



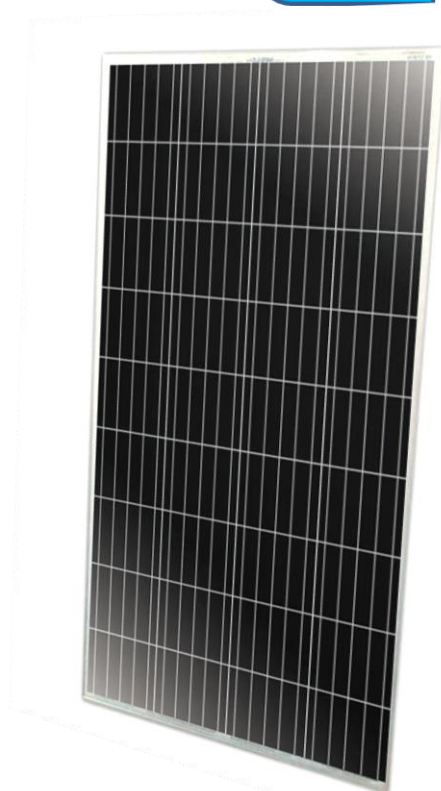
5400 Pa

Maximum 5400 Pa snow load



2400 Pa

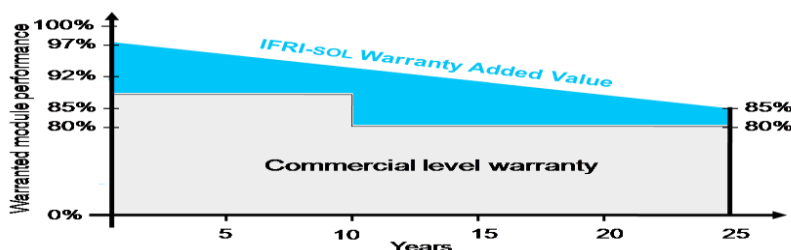
Maximum 2400 Pa wind load



Linear high performance guarantee

10 Year Product Warranty

25 Year Linear Power Warranty



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

IF-P160-36 IF-P165-36



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-P160-36	160 Wp	19.62V	8.24A	23.01V	8.79A	16.03%
IF-P165-36	165 Wp	19.94V	8.49A	23.14V	8.96A	16.54%

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-P160-36	116.16Wp	17.92V	6.53A	21.12V	6.94A
IF-P165-36	119.79Wp	19.21V	6.73A	21.24V	7.08A

Electrical data at STC (STANDARD TEST CONDITIONS): 1000W/m² 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	36 polycrystalline high efficiency 156.75mm*156.75mm
Backside	Composite film (white, black, ...)
Frame	35.3mm anodized aluminum (Silver/Black)

Limit values

System voltage	1000VDC
NOCT	47±2°C
Rated current	12A
Operating temperature	From -40°C to 85°C
Maximum load	2400N/m ²

Mechanical specification

Dimensions (H×W ×D)	1480mm × 674mm × 35.3mm
Weight	12.5Kg

Temperature coefficients

Voltage U _{oc}	-0.330%/°C
Current I _{sc}	+0.050%/°C
Output power	-0.380%/°C

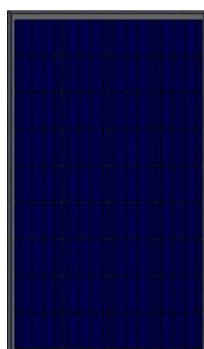
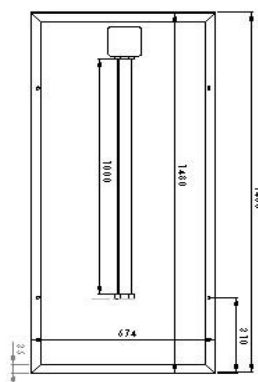
Power connection

Junction box	IP67 junction box with 2 bypass diodes
Cable solar cable	Length 800 mm, 4mm ² Prefabricated with MC4-combined plug
Applicaton class	Class A (according to IEC 61730)

Packaging specification

Dimensions (H×W ×D)	1500mm × 1110mm × 800mm
Modules Qty per carton	31
Modules Qty per container 20'	651
Modules Qty per container 40'	1395

Drawings



Dimensions are in mm

IV Curve

