

# POLY



\*Module images for representation purpose only



## 72 CELL

### POLYCRYSTALLINE MODULE

## 315-335

### POWER OUTPUT RANGE

## 17.31%

### MAXIMUM EFFICIENCY

## 0~+5W

### MAXIMUM EFFICIENCY

#### SAFE



- IP 67 Junction box
- 10 YEARS Product warranty
- 27 YEARS Power output warranty
- 1000 Vdc or 1500 Vdc

#### WEATHER CONVENIENT



- Resilience Extreme Weather
- Wind Speed - 2400 pa
- Snow Load - 5400 pa
- Highly Reliable Anti-reflective Coated Glass

#### HIGH PERFORMANCE



- PID Resistant
- Low Light Performance
- High Power Density
- Positive Power Tolerance

#### CERTIFICATIONS

- IEC 61215
- IEC 61730-1/2
- IEC 61701
- IEC 62804
- IS 14286
- BIS Number :
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018



**27 YEARS** Industry leading liner power Output warranty\*

**10 YEARS** Product warranty on Materials and workmanship

ONIX is leading manufacturer of solar PV module in India. In addition, it is committed to provide top notch EPC services, project development, rooftop solutions, solar water pumps and also in an Independent Power Producer.

#### HEAD OFFICE / FACTORY :

Plot No. P-212-B, Gate No 2, Lodhika G.I.D.C., Metoda, Rajkot-360021, Gujarat.  
 +91 79 84 78 85 45 | solar@onixgroup.in | www.onixgroup.in

#### APPLICATION



Residential



Commercial



Industrial



## TECHNICAL DATA

### OS72FMP

315

320

325

330

335

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C)

Rated power (P <sub>max</sub> ), Wp	315	320	325	330	335
Max. power voltage (V <sub>mp</sub> ), V	37.94	38.40	38.60	38.85	39.00
Max. power current (I <sub>mp</sub> ), A	8.31	8.35	8.43	8.50	8.60
Open circuit voltage (V <sub>oc</sub> ), V	45.36	45.50	45.64	45.79	46.15
Short circuit current (I <sub>sc</sub> ), A	8.88	8.95	8.97	9.04	9.09
Module efficiency (%)	16.2	16.5	16.76	17.1	17.31

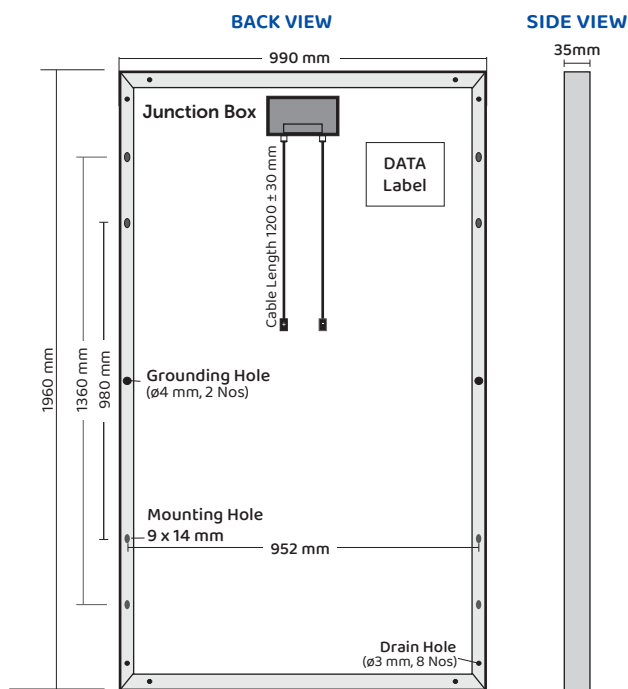
PERFORMANCE UNDER NOCT (irradiance of 800 W/m<sup>2</sup> and cell temperature of 45°C)

Rated power (P <sub>max</sub> ), Wp	234.43	238.15	241.87	245.59	249.31
Max. power voltage (V <sub>mp</sub> ), V	33.76	34.02	34.21	34.45	34.66
Max. power current (I <sub>mp</sub> ), A	06.97	07.01	07.08	07.15	07.20
Open circuit voltage (V <sub>oc</sub> ), V	42.91	42.93	42.96	42.99	43.02
Short circuit current (I <sub>sc</sub> ), A	07.29	07.41	07.51	07.60	07.69

### MECHANICAL SPECIFICATIONS

Dimensions (L x W x T in mm)	: 1960 x 990 x 35
Weight(kg)	: 21.0 [± 0.5]
No Of Cell	: 72 [12 x 6]
Aluminum Frame (in mm)	: Silver Anodized Aluminum Alloy [35 to 40]
Front Cover (Tempered Glass)	: 3.2mm (up to 4mm on required)
Encapsulate	: Ethylene Vinyl Acetate Sheet (PID Free)
Back Sheet	: Composite Film
Cable	: No. 12AWG, 4mm <sup>2</sup> , 1.2 m <sup>l</sup>

Junction Box with 3-Bypass diode	: 4 Terminal Junction Box (Ip68)
Connector	: MC4 Connectors
Application Class Rating	: Class A
Safety Class Rating	: Class II
Mechanical Load Test (as per IEC & UL)	: 5400 Pa-Front, 2400 Pa-Back
Mounting Holes Pitch (Y)-mm	: [A] 1360, [B] 980
Mounting Holes Pitch (X)-mm	: 952



\*All dimensions are in mm with ±1% tolerance.

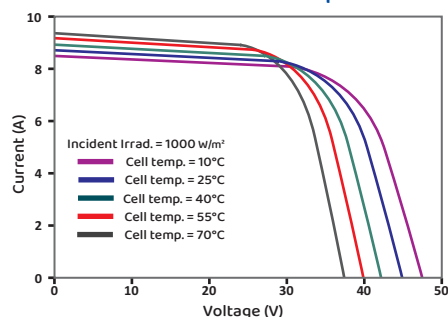
### MAXIMUM OPERATING CONDITIONS

Operating Temperature	: -40°C to +85°C
Maximum System Voltage	: 1500V
Maximum Series Fuse Rating	: 20A

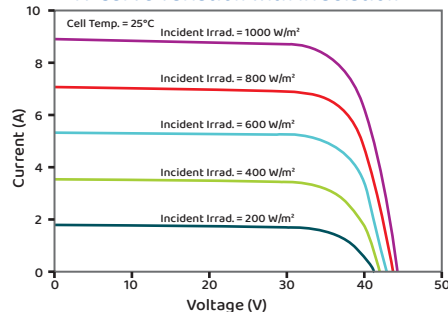
### PACKAGING CONFIGURATION

No. of Modules / Pallet	: 29
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### IV Curve Variation with Temperature



### IV Curve Variation with Irradiation



### TEMPERATURE COEFFICIENTS

Current Temperature Coefficients (I <sub>sc</sub> )	: 0.021%/°C
Voltage Temperature Coefficients (V <sub>oc</sub> )	: -0.291%/°C
Power Temperature Coefficients (P <sub>max</sub> )	: -0.397%/°C

**Caution:** Please read safety and installation instructions before using the product. **Warranty:** Linear power warranty for 27 years up to 2.5% for 1st year degradation and 0.67% from year 2 to year 27. Please read Onix warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. ONIX reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @ T&C Apply