



# POLYCARB

*Connection Zindagi Ka*

**SOLAR**

## **POLYCRYSTALLINE 72 CELL 5BB PV MODULE**

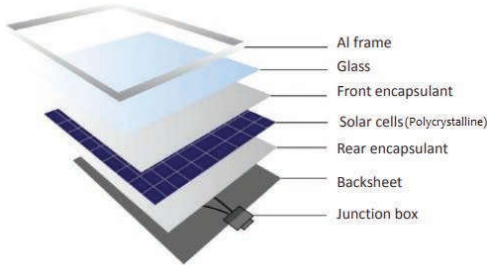


### **LEADING FEATURES**

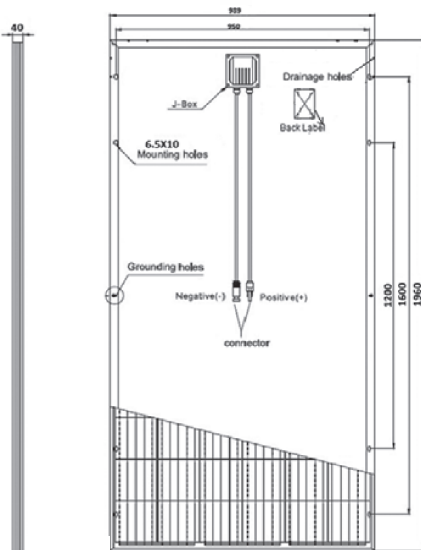
- Manufactured using high grade raw materials from reputed international suppliers adopting a stringent quality criteria.
- 72 cell configurations with wattage rating from 310 to 335 Watts
- Torsion and corrosion resistant with Silver (>15 micron) Anodized Aluminum frame.
- Wakes Up early and sleeps Late
- BIS/IEC Approved
- PID Free Modules with Extra long-term reliability
- Better Performance even at Low Irradiance condition
- Calibration modules for output measurement regularly tested at BIS/MNRE Approved Laboratory
- >76.0% fill factor for improved energy conversion efficiency
- 25 Years of Performance Warranty

# POLYCRYSTALLINE 72 CELL 5BB PV MODULE

## Module Encapsulation

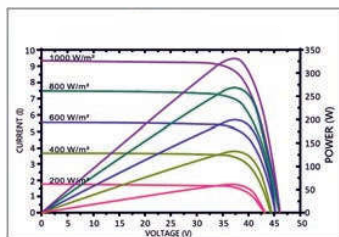


## Mounting Diagram Details



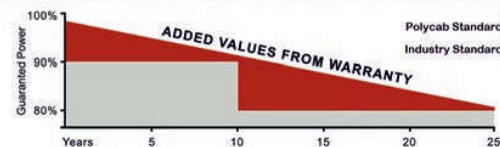
Electrical Specifications (STC)						
Model	PIL 310P	PIL 315HP	PIL 320HP	PIL 325HP	PIL 330HP	PIL 335HP
Power (Pm) in Watts	310	315	320	325	330	335
Open Circuit Voltage (Voc) in Volts	44.90	45.25	45.60	45.80	46.15	46.22
Short Circuit Current (Isc) in Amps	8.92	8.98	9.04	9.13	9.15	9.26
Voltage at Max Power (Vmp) in Volts	36.65	36.95	37.25	37.60	37.90	38.07
Current at Max Power (Imp) in Amps	8.48	8.55	8.61	8.65	8.73	8.80
Module Efficiency (%)	15.99	16.25	16.51	16.77	17.02	17.28
Fill Factor	77.40	77.52	77.63	77.72	78.15	78.27
Temperature Coefficient						
Nominal Operating Cell Temperature (°C)	43.15			45.82		
Coefficient of Voltage (Voc) (%/°C)	-0.31			-0.29		
Coefficient of Current (Isc) (%/°C)	0.06			0.06		
Coefficient of Power (Pmax) (%/°C)	-0.39			-0.38		
Operating Conditions						
Maximum System Voltage (Vdc)	1000			1500		
Max. Series Fuse Rating in Amps				15		
Operating Temp. Range (°C)				-40 to +85		
Maximum Load Condition (snow or wind)	Sustain Heavy wind & snow loads (2400 Pa & 5400 Pa or 550 Kg/m <sup>2</sup> )					
Module Mechanical Details						
Module Dimensions LxWxH (mm)	1960 X 989 X 40 (± 1.0)					
Module Weight (Approx. in kg)	22					
No. of Cells & size (mm)	72 cells, 157 X 157 (± 0.5)					
Frame Material	Anodized Aluminium					
Glass	Anti-reflective coated low iron textured tempered solar glass					
Junction Box	TUV Approved Pre-potted IP 67 rated with 3 Bypass diodes (4 T / 3 D)					
Cable Connector	4 sqm. (12AWG) solar cable 1200mm X 2 nos Black MC4 compatible connectors					
No. of Grounding Holes	1 nos. of Dia. 4mm on each length side					
Mounting hole size (mm)	8 Oblong of size 6.5 X 10 (± 2)					
Packing & Shipping Details						
No. of Modules per Pallet	22					
Pallet Box Dimensions(L*W*H)	1990 X 925 X 1120					
Pallets Per Container	20 (For 40 Ft)					
Gross Weight of Pallet Box (Approx. in kg)	600					

## I-V Characteristics at Different Irradiations



## Linear Performance Warranty

### 10 year Product Warranty / 25 year Linear Power Warranty



Note: Specifications are subject to change

**POLYCRAB INDIA LIMITED** (formerly known as Polycab Wires Limited)  
Polycab house, 771 Mogul lane, Mahim (W), Mumbai 400 016. Email: solar@polycab.com | Web: www.polycab.com

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Tel: 91-22-2432 7070 - 4,6735 1400 | Fax: 91-22-24327075  
Email: customercare@polycab.com | Website: www.polycab.com | Toll Free No.: 1800 267 0008

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Authorised Distributor / Dealer