



# POLYCAB

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## POLYCRYSTALLINE 72 CELL 5BB PV MODULE

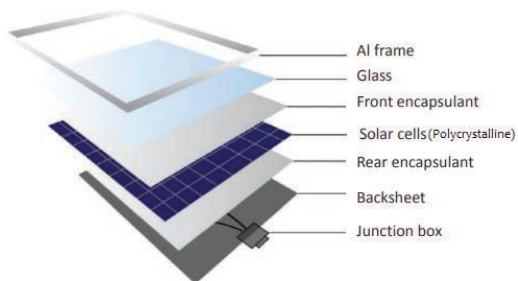


### LEADING FEATURES

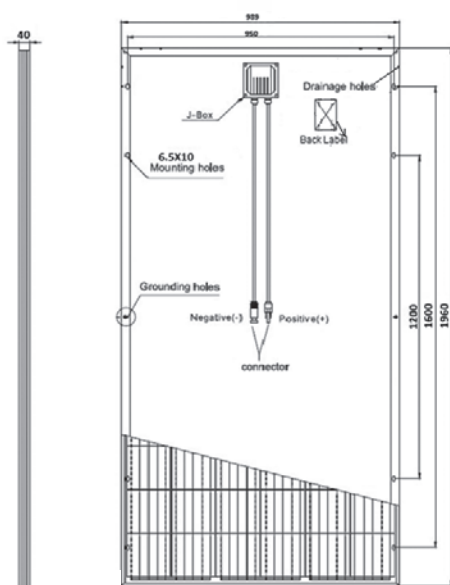
- Manufactured using high grade raw materials from reputed international suppliers adopting a stringent quality criteria.
- 72 cell configurations with wattage rating from 310 to 335 Watts
- Torsion and corrosion resistant with Silver (>15 micron) Anodized Aluminum frame.
- Wakes Up early and sleeps 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> )	

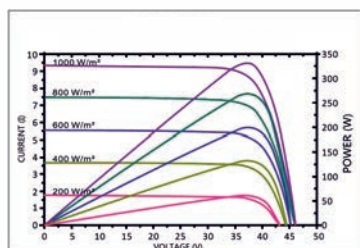
## Module Mechanical Details

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)

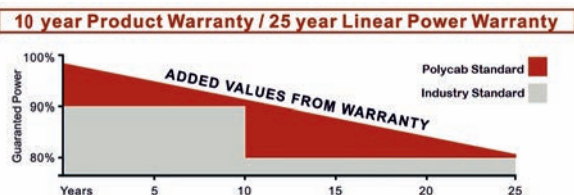
## Packing & Shipping Details

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



Note: Specifications are subject to change

**POLY CAB INDIA LIMITED** (formerly known as Polycab Wires Limited)  
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Authorised Distributor / Dealer