

**SOLAR** 

# POLYCRYSTALLINE 72 CELL 5BB PV MODULE



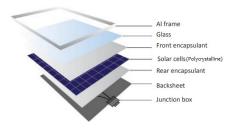
- Manufactured using high grade raw materials from reputed international suppliers adopting a stringent quality criteria
- 72 cell configurations with wattage rating from 315 to 335 Watts
- Torsion and corrosion resistant with Silver (>15 micron) Anodized Aluminum frame
- Generation even under low light conditions during sunrise and sunset
- 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
- >76.0% fill factor for improved energy conversion efficiency
- 25 Years of Linear Performance Warranty



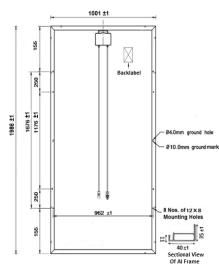


## **POLYCRYSTALLINE** 72 CELL 5BB PV MODULE

#### **Module Encapsulation**



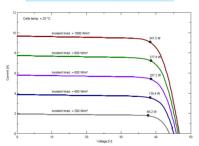
#### **Mounting Diagram Details**



All Dimensions are in mm

TECHNICAL SPECIFICATIONS  ELECTRICAL SPECIFICATIONS (STC)					
Power (Pm) in Watts (0 to ±3%)	315	320	325	330	335
Open Circuit Voltage (Voc) in Volts (0 to ±3%)	45.25	45.60	45.80	46.15	46.22
Short Circuit Current (Isc) in Amps (±5%)	9.08	9.05	9.10	9.15	9.26
Voltage at Max Power (Vmp) in Volts	36.98	37.26	37.58	37.85	38.07
Current at Max Power (Imp) in Amps	8.52	8.59	8.65	8.72	8.80
Module Efficiency (%)	15.85	16.10	16.35	16.60	16.85
Fill Factor	77.11	77.56	77.99	78.16	78.28
TEMPERATURE COEFFICIENT					
Nominal Operating Cell Temperature (°c)	43 ±2				
Coefficient of Current (Isc) a (%/°C)	0.06				
Coefficient of Voltage (Voc) β (%/°C)	- 0.33				
Coefficient of Power (Pmax) γ (%/°C)	- 0.40				
OPERATING CONDITIONS					
Maximum System Voltage (Vdc)	1500				
Max. Series Fuse Rating in Amps	20				
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/m²)				
MODULE MECHANICAL DETAILS					
Module Dimensions LxWxH (mm)	1986 x 1001 x 40				
Module Weight (Approx. in kg)	Max. 23.4				
No. of Cells & size (mm)	72 cells, 158.75 X 158.75				
Frame Material	Anodized Aluminium				
Glass	3.2mm, 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 (8 x 12)				
PACKING & SHIPPING DETAILS					
No. of Modules per Pallet	28				
Pallet Box Dimensions (LxWxH mm)	Max. 2015 x 1160 x 1130				
Pallets Per Container	10				
Gross Weight No. of Pallet Box (Approx. in kg)	Max. 670				

#### **Current Voltage Curve**



#### Note: Specifications are subject to change

POLYCAB INDIA LIMITED (formerly known as 'Polycab Wires Limited')
Polycab House, 771, Mogul Lane, Mahim (W), Mumbai - 400 016, Maharashtra (India) I Email: solar@polycab.com I www.polycab.com

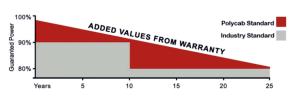
For Consumer Complaint Contact: Officer, Corporate Care Cell Polycab House, 771, Mogul Lang, Mahim (W), Mumbai - 400 1016, Maharashtra, India.

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Email: customercare@polycab.com I Website: www.polycab.com I Toll Free No.: 1800 267 0008

### **Linear Performance Warranty**

10 years Product Warranty / 25 Years Linear Power Warranty











Authorised Distributor / Dealer

Solar Division Marketing Office: POUYCAB INDIA LIMITED (formerly known as 'Polycab Wires Limited') off, No. 34, Sangam Project Phase 2, Near RTO Pune, Near Sangam Bridge, Pune. 411001.