



POLYCAP

Connection Zindagi Ka

SOLAR

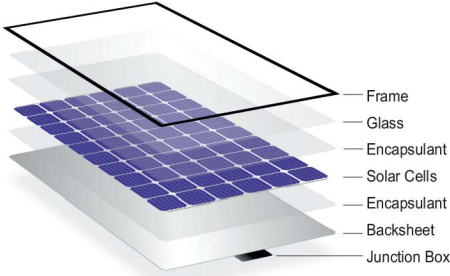
MONO PERC 72 CELL 5BB PV MODULE



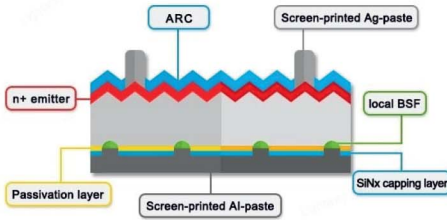
LEADING FEATURES

- System voltage 1000 Vdc/1500 Vdc
- Manufactured using high grade raw materials from reputed international suppliers adopting a stringent quality criteria.
- 72 cell configurations with wattage rating from 335 to 385 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 Hi Physix Laboratory
- >76.0% fill factor for improved energy conversion efficiency
- 25 Years of Performance Warranty

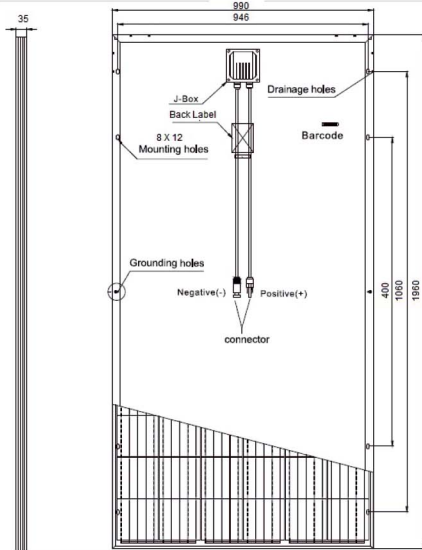
Module Encapsulation



PERC Solar Cell



Mounting Diagram Details



Electrical Specifications (STC)

Model	PIL 335MP	PIL 340MP	PIL 345MP	PIL 350MP	PIL 355MP	PIL 360MP	PIL 365MP	PIL 370MP
Power (Pm) in Watts	335	340	345	350	355	360	365	370
Open Circuit Voltage (Voc) in Volts	46.01	46.22	46.51	46.80	47.09	47.45	47.66	47.88
Short Circuit Current (Isc) in Amps	9.32	9.39	9.46	9.52	9.57	9.60	9.63	9.66
Voltage at Max Power (Vmp) in Volts	38.56	38.91	39.31	39.67	40.10	40.54	40.75	40.97
Current at Max Power (Imp) in Amps	8.69	8.74	8.79	8.83	8.86	8.90	8.96	9.05
Module Efficiency (%)	17.35	17.61	17.87	18.13	18.39	18.65	18.91	19.17
Fill Factor	78.15	78.35	78.53	78.63	78.85	79.20	79.55	80.16

Temperature Coefficient

Nominal Operating Cell Temperature	45±2°C	45±2°C	45±2°C	45±2°C	45±2°C	45±2°C	45±2°C	45±2°C
Module Efficiency (%/°C)	-0.40%/°C ± 0.02	-0.40%/°C ± 0.02	-0.40%/°C ± 0.02	-0.40%/°C ± 0.02	-0.40%/°C ± 0.02	-0.40%/°C ± 0.02	-0.40%/°C ± 0.02	-0.40%/°C ± 0.02
Coefficient of Voltage (Voc)	-0.32%/°C ± 0.02	-0.32%/°C ± 0.02	-0.32%/°C ± 0.02	-0.32%/°C ± 0.02	-0.32%/°C ± 0.02	-0.32%/°C ± 0.02	-0.32%/°C ± 0.02	-0.32%/°C ± 0.02
Coefficient of Current (Isc)	0.03%/°C ± 0.01	0.03%/°C ± 0.01	0.03%/°C ± 0.01	0.03%/°C ± 0.01	0.03%/°C ± 0.01	0.03%/°C ± 0.01	0.03%/°C ± 0.01	0.03%/°C ± 0.01
Coefficient of Power (Pmax)	-0.41%/°C ± 0.02	-0.41%/°C ± 0.02	-0.41%/°C ± 0.02	-0.41%/°C ± 0.02	-0.41%/°C ± 0.02	-0.41%/°C ± 0.02	-0.41%/°C ± 0.02	-0.41%/°C ± 0.02

Operating Conditions

Maximum System Voltage (Vdc)	1500	1500	1500	1500	1500	1500	1500	1500
Max. Series Fuse Rating in Amps	20	20	20	20	20	20	20	20
Operating Temp. Range (°C)	-40°C to +85 °C	-40°C to +85 °C	-40°C to +85 °C	-40°C to +85 °C	-40°C to +85 °C	-40°C to +85 °C	-40°C to +85 °C	-40°C to +85 °C

Maximum Load Condition (snow wind) Sustain Heavy wind & snow loads (2400 Pa & 5400 Pa or 550 Kg/m2)

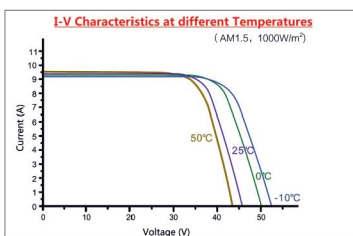
Module Mechanical Details

Module Dimensions LxWxH(mm)	1965mm X 990mm X 35mm (± 1.5 mm)							
Module Weight (Approx. in kg)	21.8							
No. of Cells & size	72 cells & 156.75mm X 156.75mm (+ 0.5mm)							
Frame Material	Silver (15 to 22 micron) Anodized Aluminium							
Glass	1960mm X 985mm X 3.2 mm (± 1 mm) High transmission low iron tempered glass AR coated							
Junction Box	Non potted IP 68 rated with 3 Bypass diodes (4 T /3 D)							
Cable Connector	4 sqm. (12AWG) solar cable 1200mmx2 nos Black MC4 compatible connectors							
No. of Mounting Holes	2 on each long section length							
Mounting hole size	12mm X 8mm (± 2 mm)							

Packing & Shipping Details

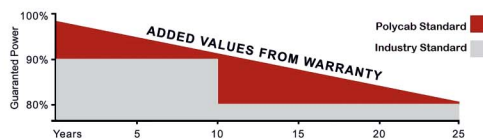
No. of Modules per Pallet	26							
Pallet Box Dimensions(L*W*H)	2.1 mtr*1.1 mtr*1.1 mtr							
Pallets Per Container	20'GP Container				40'GP/HC Container			
	10				22			
Gross Weight of Pallet Box (Approx. in kg)	580							

Temp. Coefficient Tc

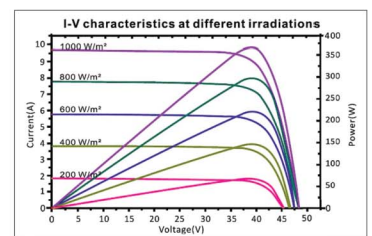


Linear Performance Warranty

12 year Product Warranty / 25 year Linear Power Warranty



I-V Curve at STC



Note: Specifications are subject to change

POLYCAP INDIA LIMITED (formerly known as Polycab Wires Limited)
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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