



X-CELL SERIES

5BB POLY CRYSTALLINE SOLAR PV MODULES

Best in Class Efficiency upto 17.72%

5BB Poly Cells

FEATURES


 Enhanced Power Generation During its Life Cycle

 Improved Temperature Coefficients - Better Generation at Higher Temperature

 Excellent Module Performance


 Lower LCOE (Levelized Cost of Electricity) - Faster Return on Investment (ROI)

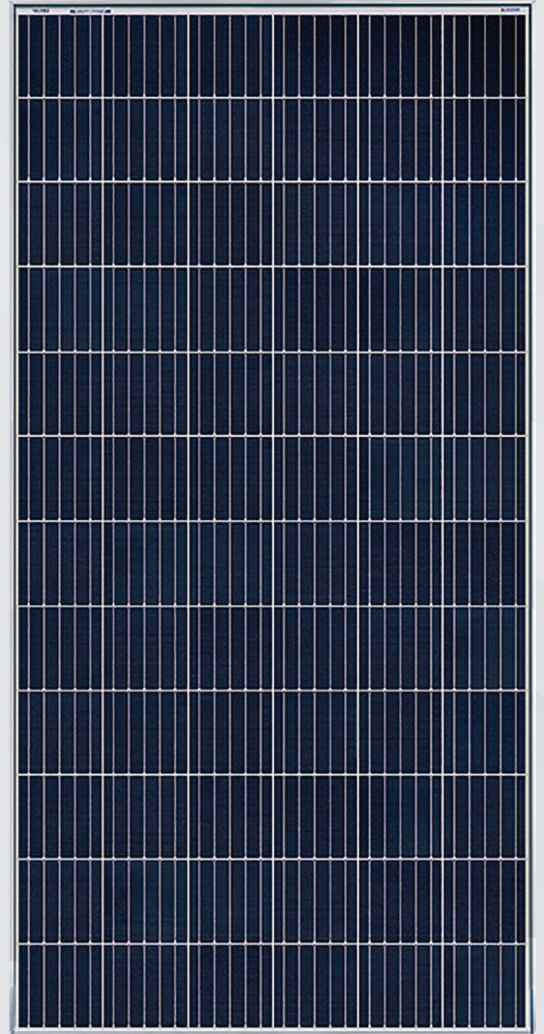
 Manufactured in Fully Automatic Production Line

 100% in line Hi-Pot testing, 100% EL Testing at 2 stages in process and Final Testing

 Manufactured using certified Tier 1 BOM Meeting Highest Quality Standards

 Certified for Pollution Degree II, Salt Mist Resistant (Severity 6), Ammonia & PID Resistant

 Better reliability under Extreme Environmental Conditions



25 Years
Performance
Warranty¹

10 Years
Product
Warranty¹

PID
Resistant





5BB POLY CRYSTALLINE SOLAR PV MODULES

300-335W



ELECTRICAL DATA - STC* & NOCT**

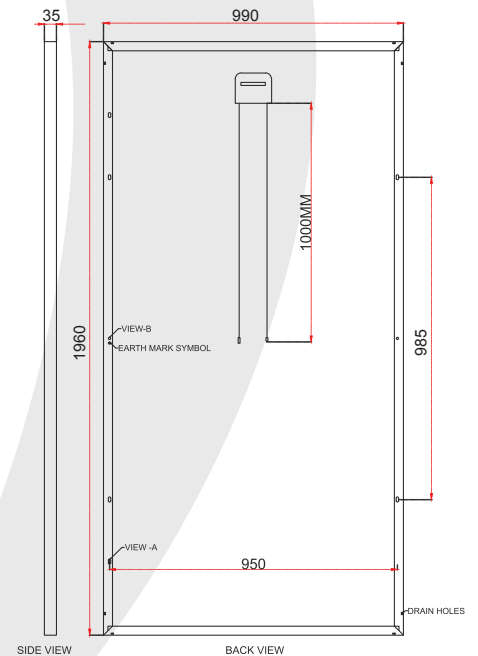
S. NO.	MODEL	ADM 300W	ADM 305W	ADM 310W	ADM 315W	ADM 320W	ADM 325W	ADM 330W	ADM 335W
1	Peak power, (0' + 4.99 Wp) Pmax (Wp)	300	305	310	315	320	325	330	335
2	Maximum voltage, Vmpp (V)	37.27	37.82	38.10	37.50	37.70	37.80	38.00	38.10
3	Maximum current, Impp (A)	8.05	8.08	8.14	8.40	8.50	8.60	8.70	8.80
4	Open Circuit Voltage, Voc (V)	45.10	45.45	45.72	45.80	46.00	46.20	46.30	46.50
5	Short circuit current, Isc (A)	8.74	8.79	8.81	8.92	9.03	9.13	9.24	9.35
6	Module efficiency (%)	15.87	16.13	16.40	16.66	16.93	17.19	17.46	17.72

*STC : Irradiance 1000 W/m², cell temperature 25°C, air mass AM1.5 according to EN 60904-3, Average efficiency reduction of 5% at 200 W/m² according to EN 60904-1.

MECHANICAL DATA

Length x Width x Height	1960 x 990 x 35 mm
Weight	21.5 kg ± 0.500 kg
Junction Box	IP67 / IP68 3 Bypass diodes
Cable & Connectors	1000mm length cables & MC4 Connectors
Application Class	Class A (Safety Class II)
Superstrate	High transmittance ARC Glass
Cells	72 Polycrystalline 5BB Solar Cells
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Sheet	Composite Film
Frame	Anodized aluminium frame with twin wall profile
Mechanical Load Test	5400 pa-front ; 2400 pa-back
Maximum Series Fuse Rating	20 A

Dimension of PV Module
Unit: mm



TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C (±2°C)
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.35%/°C

PERMISSIBLE OPERATING CONDITIONS

Temperature Range	-40°C to +85°C
Maximum System Voltage	1500 V DC
Max. Series Fuse Rating	20 A

WARRANTY AND CERTIFICATIONS

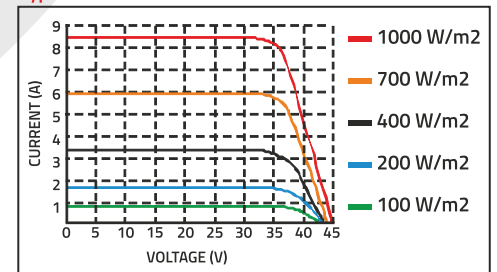
Product Warranty	10 years Product Warranty
Performance Guarantee	25 year Linear Performance Warranty

PACKAGING CONFIGURATION

Qty.: 25 in 1 Pallet

Qty.: 02 in 1 Box

Typical I-V Curves



ADM Solar Power and Infrastructure Pvt. Ltd.

Corporate Office: 22/1 The Printer House Pvt. Ltd., Mathura Road, Ballabgarh,

Sikri Industrial Area, Faridabad, Haryana- 121004. India.

Email: marketing@admsolarpower.com