

335-355Watt

144 CELL POLY CRYSTALLINE HALF CUT CELLS SOLAR MODULE

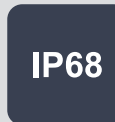
• AE14PXXXVHC5B

Special Cell Design



The unique cell design leads to reduced electrodes resistance and smaller current, thus enables higher fill factor. Meanwhile, it can reduce losses of mismatch and cell wear, and increase total reflection.

IP68 Rated Junction Box



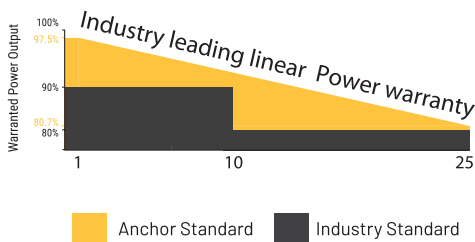
The Anchor IP68 rated junction box ensures an outstanding waterproof level, supports installations in all orientations and reduces stress on the cables. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

Trust Anchor to Deliver Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO9001, ISO14001 and ISO17025
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, IEC 62716)***
- Long-term reliability tests
- 2 x 100% EL inspection ensuring defect-free modules

Industry-leading Warranty based on nominal power

- 97.5% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from MODULE's nominal power output per year, ending with the 80.7% in the 25th year after the defined WARRANTY STARTING DATE.
- 12-year product warranty****
- 25-year linear performance



High power output

Compared to normal module, the power output can increase 5W-10W



High PID resistant

Advanced cell technology and qualified materials lead to high resistance to PID



Excellent weak light performance

More power output in weak light condition, such as haze, cloudy and morning



Lower operating temperature

Lower operating temperature and temperature coefficient increases the power output



Extended wind and snow load tests

Module certified to withstand front side maximum static test load (5400 Pascal) and rear side maximum static test loads (3800 Pascal) *



Withstanding Harsh Environment

Reliable quality leads to a better sustainability even in harsh environment like desert and coastal area



DIN EN 61215 (VDE 0126 - 31)
DIN EN 61730 - 1 (VDE 0126 Teil)
DIN EN 61730 - 2 (VDE 0126 30-1 - 30 - 2)

Certifications and standards:

IEC 61215, IEC 61730
IEC 62716 | IEC 61701



* Please refer to PLSIND Standard Module Installation Manual for details. **WEEE only for EU market.

*** Please refer to PLSIND Product Near-coast Installation Manual for details. **** Please refer to PLSIND Product Warranty for details.

• **AE14PXXXVHC5B**

Electrical Characteristics

STC	AE14PXXXVHC5B				
Maximum Power at STC (Pmax)	335W	340 W	345 W	350W	355W
Optimum Operating Voltage (Vmp)	38.4 V	38.6 V	38.8 V	39.0 V	39.2 V
Optimum Operating Current (Imp)	8.73 A	8.81A	8.90 A	8.98 A	9.06 A
Open Circuit Voltage (Voc)	45.8 V	46.0 V	46.2 V	46.2V	46.6V
Short Circuit Current (Isc)	9.31 A	9.39 A	9.48 A	9.56 A	9.64 A
Module Efficiency	16.6 %	16.9%	17.1%	17.4%	17.6%
Operating Module Temperature	-40°C to + 85°C				
Maximum System Voltage	1500 V DC (IEC)				
Maximum Series Fuse Rating	20 A				
Power Tolerance	0/+5 W				

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;
Tolerance of Pmax is within +/- 3% and tolerances of Voc and Isc are within +/- 5%
* PLSIND reserves the right to adjust the listed parameters without notice.

NMOT	AE14PXXXVHC5B				
Maximum Power at NMOT (Pmax)	252.0 W	255.6 W	259.5 W	263.2 W	266.9 W
Optimum Operating Voltage (Vmp)	35.4 V	35.6 V	35.8 V	36.0 V	36.1 V
Optimum Operating Current (Imp)	7.12 A	7.18 A	7.26 A	7.32 A	7.38 A
Open Circuit Voltage (Voc)	42.9 V	43.1 V	43.3 V	43.5 V	43.7 V
Short Circuit Current (Isc)	7.52 A	7.59 A	7.66 A	7.72 A	7.79 A

NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s

Temperature Characteristics

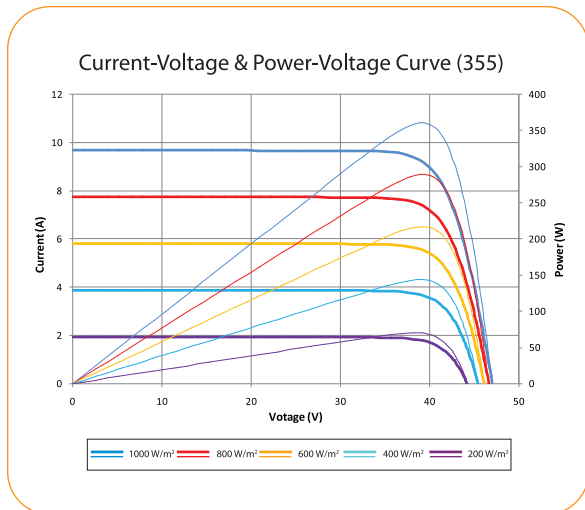
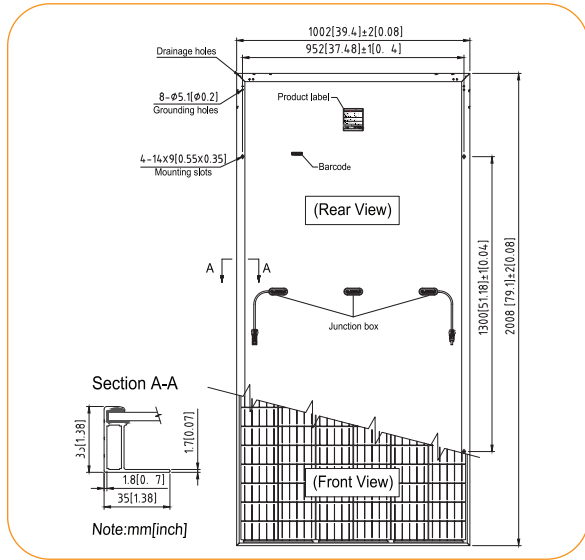
Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax	-0.38 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.05 %/°C

Mechanical Characteristics

Solar Cell	Polycrystalline silicon 158.75 mm
No. of Cells	144 (6 × 24)
Dimensions	2008 × 1002 × 35 mm
Weight	22.5 kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm ² , symmetrical lengths (-) 1400 mm and (+) 1400 mm
Connectors	MC4 EVO2, Cable 01S

Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	31	31
Pallets per container	5	22
Pieces per container	155	682
Packaging box dimensions	2038 × 1109 × 1173 mm	
Packaging box weight	720 kg	



Dealer information

Panasonic Life Solutions India Pvt. Ltd.

Registered office : 12th Floor, Ambience Tower, Ambience Island, NH-48, Gurugram, Haryana -122 002.

For queries and communication : 3rd Floor, B wing, I-Think Techno Campus, Pokhran Road No 2, Thane (west), Thane - 400607 Maharashtra

T: (9122) 42228888 | F: (9122) 42228888 | Customer care no.: (022) 41304130 | WhatsApp No: 91360 28606

Email: solar@in.panasonic.com | www.isin.panasonic.com