

380-395Watt

MONO PERC 72CELL SOLAR MODULE

• AE7H380VC5B • AE7H385VC5B • AE7H390VC5B
• AE7H395VC5B

Special 5 Busbar 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

IP67 Rated Junction Box

IP67

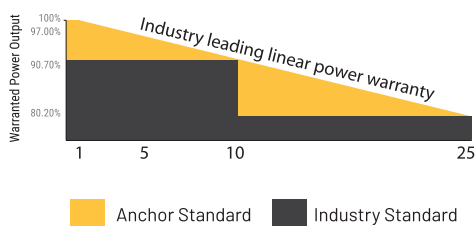
IP67 rated junction box ensures an outstanding waterproof level, supports installations in all orientations and reduces stress on the cables. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

Trust Anchor to Deliver Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivalled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO9001: 2015, ISO14001: 2015, ISO45001: 2018
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist IEC 61701) ##
- Conformance as per EN IEC 63000:2018 (ROHS)
- Long-term reliability tests
- 2 x 100% EL inspection ensuring defect-free modules

Industry-leading Warranty based on nominal power

- 97% 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 80.20% in the 25th year after the defined WARRANTY STARTING DATE.** 25
- 12 year product warranty
- 25 year linear performance warranty



Higher Power Output

Higher power output

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



PID Resistant

PID Resistance

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



Weak light

Excellent weak light performance

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



2%

Anchor current sorting process

System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage



2400Pa
5400Pa

Extended wind and snow load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)*



Harsh environment

Withstanding Harsh Environment

Reliable quality leads to 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)
DIN EN IEC 63000:2018

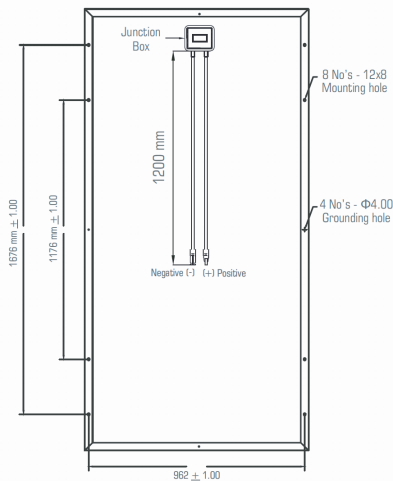
Certifications and standards:

IEC 61215, IEC 61730
IEC 62804 | IEC 61701 **
IEC 63000:2018

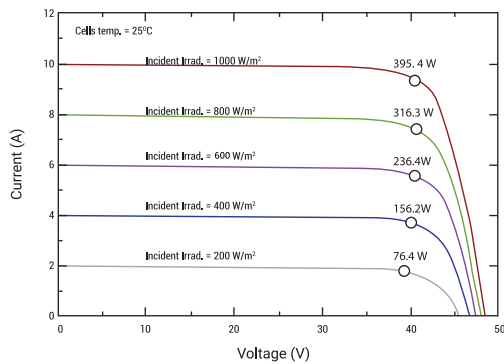


Made in India
PV Modules

* Please refer to Anchor Standard Module Installation Manual for details. ** Please refer to PLSIND warranty for details. **Conditions Apply

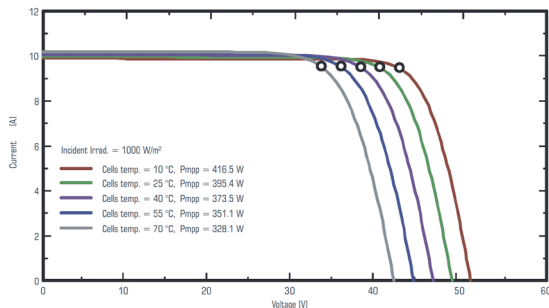


PV Module : AE7H395VC5B



I-V Variation with Irradiation

PV Module : AE7H395VC5B



I-V Variation with Temperature

• AE7H380VC5B • AE7H385VC5B • AE7H390VC5B • AE7H395VC5B

Electrical Characteristics

STC	AE7H380VC5B	AE7H385VC5B	AE7H390VC5B	AE7H395VC5B
Maximum Power at STC (Pmax)	380 W	385 W	390 W	395 W
Optimum Operating Voltage (Vmp)	39.70 V	39.90 V	40.10 V	40.28 V
Optimum Operating Current (Imp)	9.58 A	9.65 A	9.73 A	9.81 A
Open Circuit Voltage (Voc)	48.45 V	48.65 V	48.85 V	49.05 V
Short Circuit Current (Isc)	9.90 A	9.95 A	10.03 A	10.12 A
Module Efficiency	19.08 %	19.33%	19.58%	19.83%
Operating Module Temperature	-40°C to 85°C			
Maximum System Voltage	1500 V DC (IEC)			
Maximum Series Fuse Rating	16 A			
Power Tolerance	0/+5 W			

STC: Irradiance 1000 W/m², Module temperature 25 °C, AM=1.5

PLSIND reserves the right to adjust the listed parameters without notice.

Temperature Characteristics

Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Voc	-0.27 %/°C
Temperature Coefficient of Isc	0.05 %/°C
Nominal Module Operating Temperature (NOCT)	46±2°C

Mechanical Characteristics

Solar Cell	MONO PERC 158.75 mm X 158.75 mm
No. of Cells	72 (12X6)
Dimensions	1985mm(L) × 1003.5mm(W) × 35mm (T)
Weight	21.5 kg
Front Glass	3.2 mm tempered glass with ARC coating
Frame	Anodized aluminium alloy
Junction Box	IP67 rated
Output Cables	4.0 mm² & 1200 mm
Connectors	IP68 MC4 compatible
Maximum Snow Load	5400 pascal
Maximum Wind Load	2400 pascal

Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	25	25
Pallets per container	10	22
Pieces per container	250	550

PLSIND stands for Panasonic Life Solutions India Pvt. Ltd.

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) - 400607, Maharashtra

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

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