



by **Panasonic**

385-400Watt

Mono Crystalline PERC Module

- AE7H385VC5B • AE7H390VC5B
- AE7H395VC5B • AE7H400VC5B



Special 5 Busbar Design



The unique cell design leads to reduction in electrodes resistance, shading area and raise in conversion efficiency. Residual stress distribution can be more even, reducing the micro-cracks risks.

IP68 Rated Junction Box



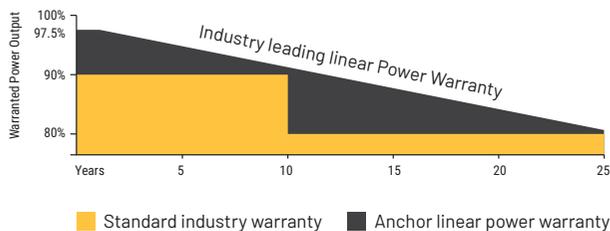
The IP 68 rated junction box ensures an outstanding waterproofing, supports installation in all orientations with less stress on the cables. Highly reliable performance with low resistance connectors ensures maximum output for higher energy production.

Trust Anchor to Deliver Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Rigorous quality control meeting the highest international standards: ISO 9001, ISO 14001 and ISO17025
- Regular independently checked production process from international accredited institute/company
- Independently Tested for Harsh Environment Conditions
- 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), 0.73% maximum decrease from MODULE'S nominal power output per year, ending with the 80% in the 25th year after the defined WARRANTY STARTING DATE.
- Product Warranty is of 12 Years**
- 25 year linear performance warranty

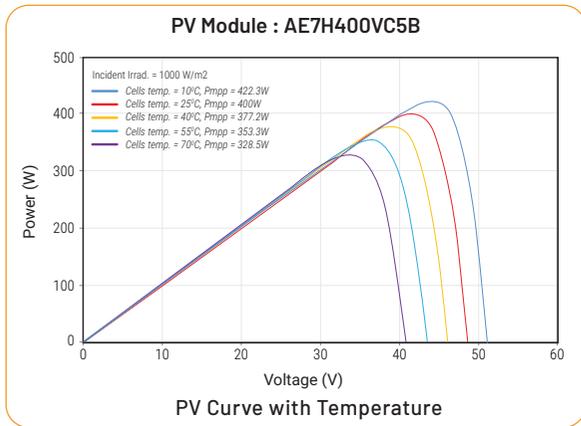
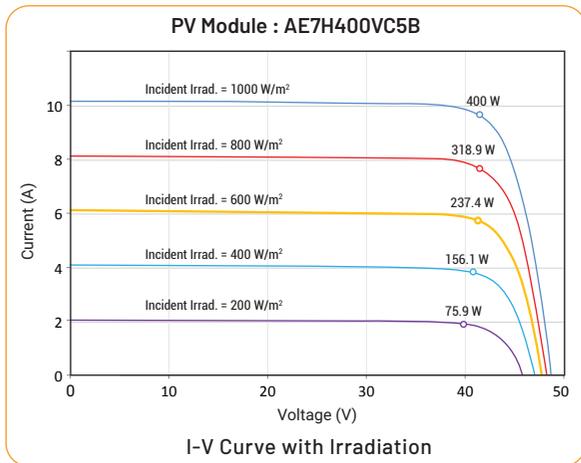
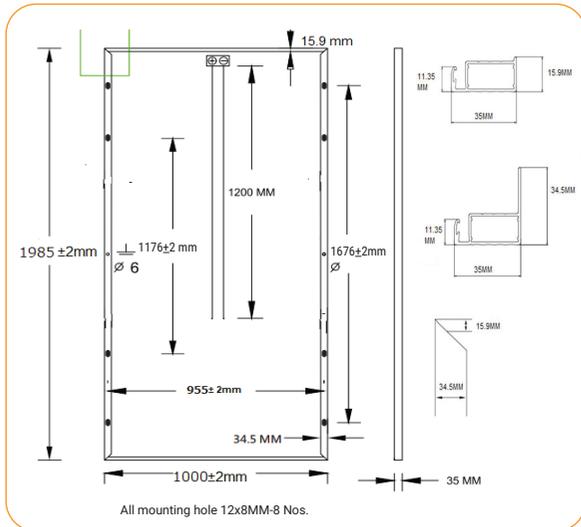


- High module conversion efficiency**
 Module efficiency up to 20.15% achieved through advanced cell technology and manufacturing process
- Anchor current sorting process**
 Up to 2% power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output
- Excellent weak light performance**
 More power output in weak light condition, such as haze, clouds, early and late sun
- Lower operating temperature**
 Lower operating temperature and temperature coefficient increases the power output
- Extended wind and snow load tests**
 Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *
- Withstanding Harsh Environment**
 Reliable quality leads to better sustainability even in harsh environment like desert and coastal area



Made in India
PV Modules

* Please refer to PLSIND Standard Module Installation Manual for details. ** Please refer to PLSIND Product Warranty for details.



Dealer Information

Electrical Characteristics

STC	AE7H400VC5B	AE7H395VC5B	AE7H390VC5B	AE7H385VC5B
Wattage, Wp	400W	395W	390W	385W
Voltage at Max Power, Vmax	40.25V	40.11V	39.98V	39.85V
Open Circuit Voltage, Voc	48.01V	47.89V	47.77V	47.68V
Current at Max Power, Imax	9.94A	9.85A	9.76A	9.67A
Short Circuit Current, Isc	10.41A	10.31A	10.20A	10.09A
Module Efficiency	20.15%	19.90%	19.65%	19.40%
Operating Temperature (°C)	-40°C ~ +85°C			
Maximum System Voltage	1500 V DC (IEC)			
Maximum Series Fuse Rating	16 A			
Power Tolerance	0 to +5Wp			

STC: Irradiance 1000 W/m², Module temperature 25 °C, AM=1.5
Tolerance of Wp is within +/- 3% ;
PLSIND reserves the right to adjust the listed parameters without notice.

Temperature Characteristics

Temperature Coefficient of Pmax(γ)	-0.38 %/°C
Temperature Coefficient of Voc(β)	-0.31 %/°C
Temperature Coefficient of Isc(α)	+0.05 %/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Mechanical Characteristics

Cell Type	Mono Crystalline - PERC
No. of Cells	72 (6 × 12)
Dimensions	1985 x 1000 x 35 mm
Weight	22.5 kg
Front Glass	3.2mm ARC tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 rated
Output Cables	4mm ² / 4mm ² & 12 AWG 1500V (1500V UL) 1200m
Connectors	MC4 compatible
By-pass Diodes	3 pcs

Packing Configuration

Container	20' GP	40' GP
Pieces per pallet	30	30
Pallets per container	10	22
Pieces per container	300	660

PLSIND stands for Panasonic Life Solutions India Pvt. Ltd.

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