



535-550Watt

144 HALF-CELL MONO PERC MODULE

• AE14HXXXVHC10B

Special Cell Design



10B technology decreases the distance between bus bars and finger grid line which is benefit to power increase. Half-cell reduces internal losses to increase module efficiency.

IP68 Rated Junction Box

IP68

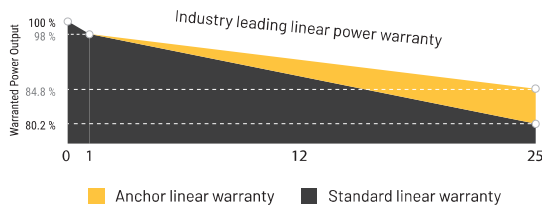
The IP 68 rated junction box ensures an outstanding waterproofing, supports installation in all orientations with less stress on the cables. Highly reliable performance with low resistance connectors ensures maximum output for higher energy production.

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 ISO 45001
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (IEC 61701, IEC 62716)
- Long-term reliability tests
- 2 x 100% EL inspection ensuring defect-free modules

Industry-leading Warranty based on nominal power

- 98% in the first year; thereafter, for years two (2) through twenty five (25), 0.55% maximum decrease from MODULE'S nominal power output per year, ending with the 84.8% 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 21.32 % 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 hours



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

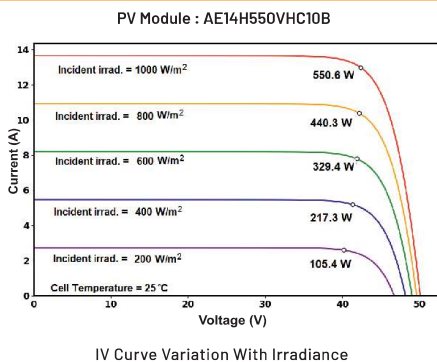
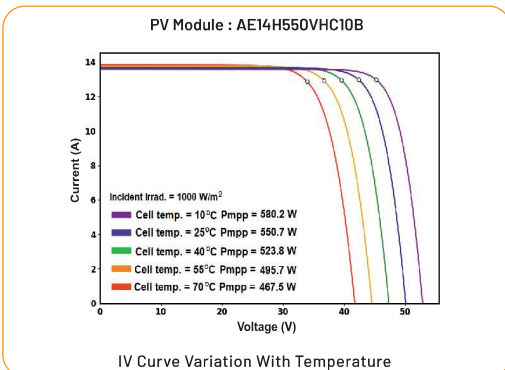
Reliable quality leads to better sustainability even in harsh environment like desert and coastal area



Certifications and standards:
IEC 61215, IEC 61730, IEC 61701,
IEC 62804, IEC 62716



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



Dealer Information

STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM=1.5
PLSIND reserves the right to adjust the listed parameters without notice.

NOCT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.
PLSIND reserves the right to adjust the listed parameters without notice.

Temperature Coefficient of Pmax(y)	-0.3303 %/°C
Temperature Coefficient of Voc(β)	-0.2470 %/°C
Temperature Coefficient of Isc(a)	0.0297 %/°C
Nominal Module Operating Temperature (NMOT)	45±2°C

Cell Type	Mono PERC 91mm * 182mm
No.of Cells	144 (12x6 12x6)
Dimensions	2278 x 1133 x 40 mm
Weight	28.6 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered glass
Frame	Anodized aluminium alloy
Junction Box	3 Split, IP68 Rated
Output Cables	4.0 mm ²
	(-) 400 mm and (+) 400 mm in Length
Connectors	MC4 Compatible

Container	32' GP
Pieces per pallet	27
Pallets per container	18
Pieces per container	486

PLSIND stands for Panasonic Life Solutions India Pvt. Ltd.

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Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.