

Mono PERC

535-555 Wp

144 Half-Cell Monofacial Module
AE14HXXXVHC10B



12 YEARS
Product
Warranty

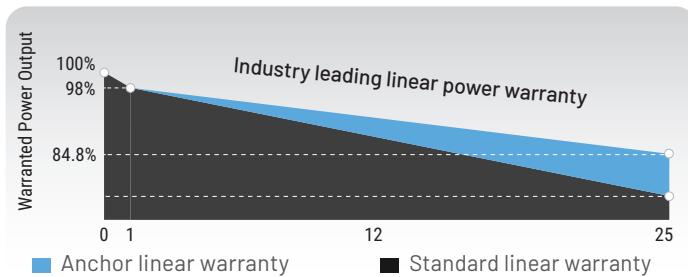
25 YEARS
Performance
Warranty

21.50%
Maximum
Efficiency

0+5W
Positive Power
Tolerance

Industry-Leading Warranty based on Nominal Power

2% First Year Degradation | **0.55%** Annual Degradation



Low Temperature
Coefficient $-0.3303\%/^{\circ}\text{C}$



Withstands Harsh Environment



Apt for Residential and
Commercial & Industrial use



Tested for wind load (3800 pascals)
& Snow load (5400 pascals)



Superior Resistance to
effects to LID and PID



Highly Reliable IP68 Rated Junction Box

Quality Test
and Certification



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



AE14HXXXVHC10B

ELECTRICAL CHARACTERISTICS

STC	AE14HXXXVHC10B				
Wattage, Wp	535 W	540W	545 W	550W	555W
Voltage at Max Power, Vmax	41.72 V	41.86	42.01 V	42.14 V	42.28 V
Open Circuit Voltage, Voc	49.64 V	49.78 V	49.91 V	50.06 V	50.20 V
Current at Max Power, Imax	12.83 A	12.91 A	12.98 A	13.06 A	13.13 A
Short Circuit Current, Isc	13.47 A	13.53 A	13.59 A	13.65 A	13.71 A
Module Efficiency	20.74%	20.94%	21.13%	21.32%	21.50%
Operating Temperature (°C)	-40°C ~ +85 °C				
Maximum System Voltage	1500 V DC (IEC)				
Maximum Series Fuse Rating	25 A				
Power Tolerance	0, +5Wp				

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

NOCT	AE14HXXXVHC10B				
Maximum Power at NOCT, Wp	396 W	400 W	403 W	407 W	411 W
Voltage at Max Power, Vmax	38.42 V	38.54 V	38.68 V	38.80V	38.93V
Open Circuit Voltage, Voc	46.68 V	46.82 V	46.94 V	47.09 V	47.21 V
Current at Max Power, Imax	10.31 A	10.37 A	10.43 A	10.49 A	10.55 A
Short Circuit Current, Isc	10.91 A	10.96A	11.01 A	11.06 A	11.11 A

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

TEMPERATURE CHARACTERISTICS

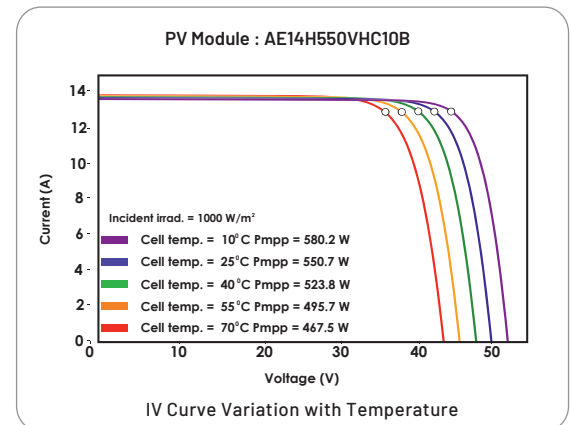
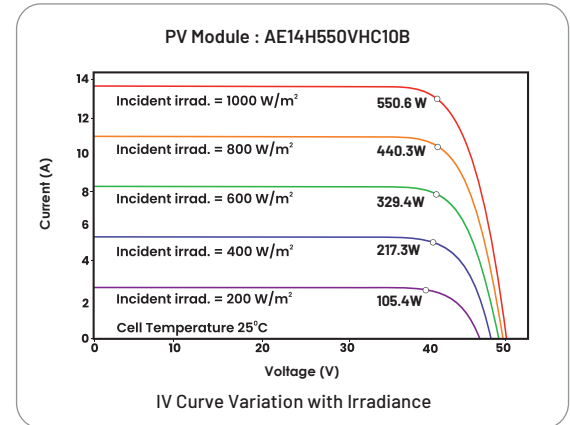
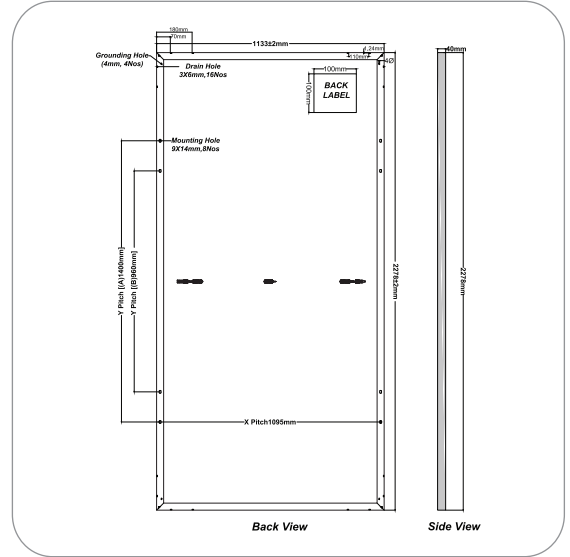
Temperature Coefficient of Pmax(γ)	-0.3303 %/°C
Temperature Coefficient of Voc(β)	-0.2470 %/°C
Temperature Coefficient of Isc(α)	0.0297 %/°C

MECHANICAL CHARACTERISTICS

Cell Type	Mono PERC 91 mm * 182mm
No.of Cells	144 (12x6 II 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 (-) 300 mm and (+) 300 mm in Length
Connectors	MC4 Compatible

PACKAGING CONFIGURATION

Container	32'GP
Pieces per pallet	27
Pallets per container	16
Pieces per container	432



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.

In case of consumer complaints, contact Customer Care Executive: 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

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.