ANCHOR by Panasonic

255-260-265 Watt

POLYCRYSTALLINE SOLAR MODULE

AE6P255WB4B • AE6P260WB4B • AE6P265WB4B

• Salient Features

High module conversion efficiency
Module efficiency up to 16.3% achieved through advanced cell technology and manufacturing capabilities

Positive tolerance
Positive tolerance of up to +5W delivers higher outputs reliablity

Extended wind and snow load tests
Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal)*

Excellent weak light performance
Excellent performance under low light conditions

Current sorting process
System output maximised by reducing mismatch losses up to 2% with modules sorted & packaged by amperage

Withstanding harsh environment
Reliable quality leads to better sustainability even in harsh environment like desert, farm & coastline

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

Salt mist resistant
Salt mist corrosion resistant. Suitable for seaside environment.

Ammonia resistant
Ammonia resistant. Suitable for farm environment.

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 62804 | IEC 62716 | IEC 61701

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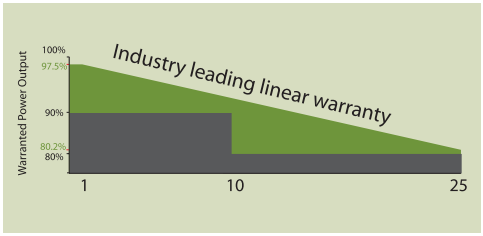
Trust Anchor to deliver reliable performance over time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004 and IS017025: 2005
- 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, DIN EN 60068-2-68)*
- Long-term reliablity tests
- 2x100% EL inspection ensuring defect-free modules

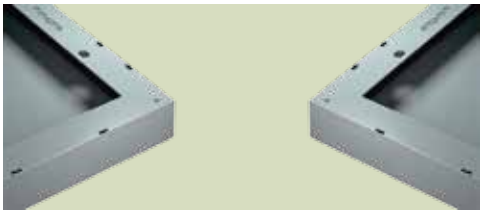
Industry-leading warranty based on nominal power

- 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% in the 25th year after the defined WARRANTY STARTING DATE.**
- 10-year material and workmanship warranty



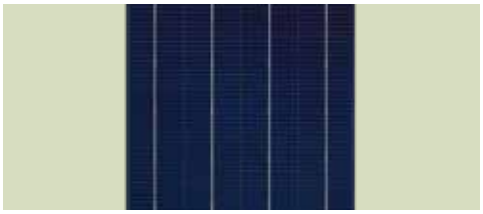
Compact and durable frame design

- New compact frame design is light-weight and easier to handle during installation. The rigid and durable hollow chamber guarantees the same long-term and reliable performance.



Special 4 busbar design

- The unique cell design leads tremendous reduction in electrodes resistance and raise in conversison efffciency. Less residual stress, less cell microcracks and hotspot risks.



IP67 Rated Junction Box

- 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

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

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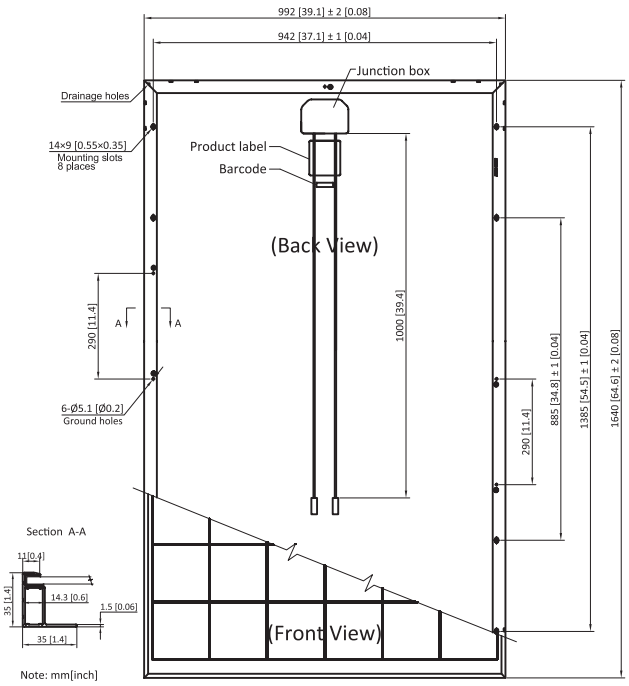

Electrical Characteristics

STC	AE6P265WB4B	AE6P260WB4B	AE6P255WB4B
Maximum Power at STC (Pmax)	265 W	260 W	255 W
Optimum Operating Voltage (Vmp)	31.0 V	30.9 V	30.8 V
Optimum Operating Current (Imp)	8.56 A	8.42 A	8.28 A
Open Circuit Voltage (Voc)	37.8 V	37.7 V	37.6 V
Short Circuit Current (Isc)	9.02 A	8.89 A	8.76 A
Module Efficiency	16.3%	16.0%	15.7%
Operating Module Temperature	-40 °C to +85 °C		
Maximum System Voltage	1000 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;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

NOCT	AE6P265WB4B	AE6P260WB4B	AE6P255WB4B
Maximum Power at NOCT (Pmax)	194 W	191 W	188 W
Optimum Operating Voltage (Vmp)	28.3 V	28.2 V	28.1 V
Optimum Operating Current (Imp)	6.86 A	6.76 A	6.68 A
Open Circuit Voltage (Voc)	34.8 V	34.8 V	34.7 V
Short Circuit Current (Isc)	7.32 A	7.19 A	7.12 A

NOCT: Irradiance 800 W/m2, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

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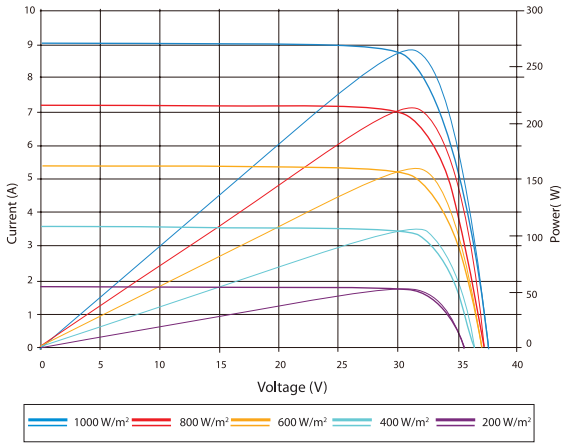
Current-Voltage & Power-Voltage Curve (265-20)



Excellent performance under weak light conditions: at an irradiation intensity of 200 W/m (AM 1.5, 25°C), **96.5%** or higher of the STC efficiency (1000 W/m²) is achieved

Temperature Characteristics

Nominal Operating Cell Temperature **(NOCT)**	45±2°C
Temperature Coefficient of Pmax	-0.41 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.067 %/°C

Mechanical Characteristics

Solar Cell	Polycrystalline silicon 156 × 156 mm (6 inches)
No. of Cells	60 (6 × 10)
Dimensions	1640 × 992 × 35mm (64.6 × 39.1 × 1.4 inches)
Weight	18.2 kg (40.1 lbs.)
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated (3 bypass diodes)
Output Cables	TUV (2Pfg1169:2007)
	4.0 mm² (0.006 inches²), symmetrical lengths (-) 1000mm (39.4 inches) and (+) 1000 mm (39.4 inches)
Connectors	MC4 compatible
Back Sheet	High resistant polyester
Encapsulating Material	Ethylene Vinyl Acetate (EVA)

Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	30	30
Pallets per container	6	28
Pieces per container	180	840

Dealer information

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