

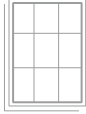
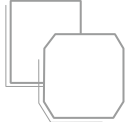





Conergy PH 240P – 260P Special Edition Australia



CONERGY



	Module type
	framed
	Nominal output (P_{nom})
	240 W – 260 W
	No. of cells
	60
	Cell type
	polycrystalline
	Module weight
	19.5 kg
	Maximum permissible load ¹
	5,400 Pa
	Warranty ²
	10 years

The Conergy P-series solar modules offer a high level of module output at an attractive price/performance ratio. They are equipped with efficient, polycrystalline cells and have proven their worth in practical applications over the years. They are characterized by high yields and a long service life. Their production is certified in accordance with the ISO 9001, ISO 14001 and OHSAS 18001 international quality standards and meets the high quality standards of Conergy. Solar modules in the Conergy P-series are also available with monocrystalline and polycrystalline cells in other power classes and different module dimensions.

Benefits:

- | Attractive price/performance ratio
- | High module output
- | Certification in accordance with IEC/EN 61215 Ed. 2 and IEC/EN 61730
- | Performance tolerance of $\pm 2.5\%$



¹ In accordance with IEC 61215 Ed.2

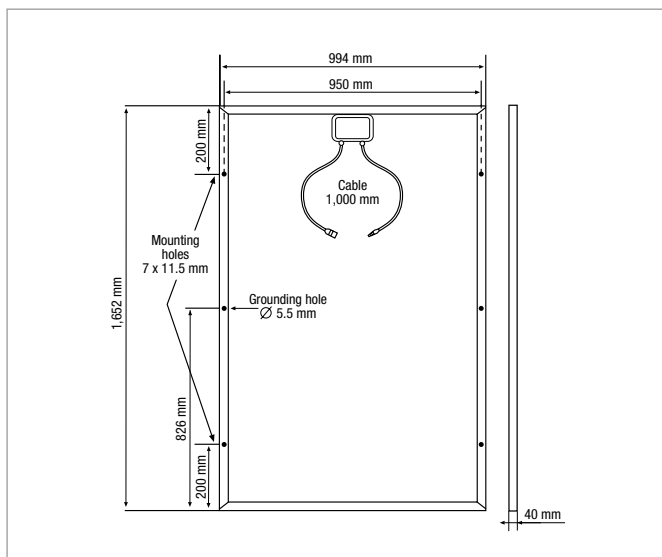
² According to Conergy AG's current warranty conditions.

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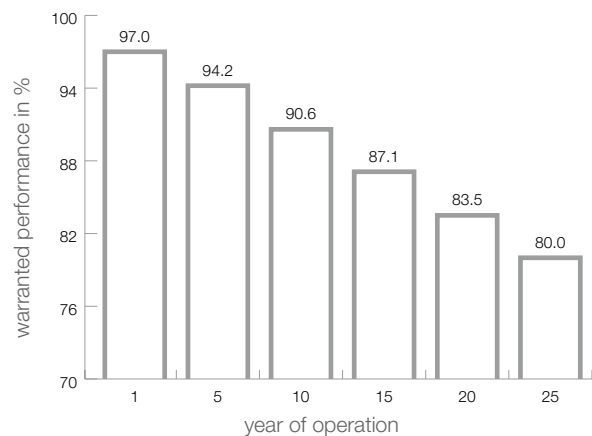


Mechanical specification

Module dimensions (L x W x H) ³	1,652 x 994 x 40 mm
Cell dimensions	156 x 156 mm
No. of cells	60
Cell type	Polycrystalline cell; 3-busbar technology
NOCT ⁴	43° C ± 2° C
Maximum permissible load ⁵	5,400 Pa
Front cover type	Patterned solar glass
Junction box	NingBo Chuang Yuan PV-CY802, protection class IP 65, 51 x 120 x 26 mm
Cable	Xinhongye PV1-F, 2 x 1,000 mm length 4 mm ² cross-section
Plug type	PV - CY01L
Frame material	Anodised aluminium
Module weight	19.5 kg
Certification	In accordance with IEC/EN 61215 Ed. 2 and IEC/EN 61730, ISO 9001:2008, ISO 14001: 2004, OHSAS 18001: 2007, MCS, UL 1703
Product warranty ⁶	10 years
Performance warranty ⁶	Linear performance warranty year 1: >97% of nominal power output year 25: >80% of nominal power output
Maximum permissible system voltage	1,000V
Reverse current loadability (IR)	20 A



Linear performance warranty for Conergy's P-series modules



³ Dimensional tolerance: +/-1.3mm

⁴ Nominal operating temperature of the cell at 800W/m² irradiation, 20°C ambient temperature, wind speed of 1 m/s

⁵ In accordance with IEC 61215 Ed.2

⁶ According to Conergy AG's current warranty conditions

Conergy PH 240P – 260P

Special Edition Australia



Electrical ratings under standard test conditions ⁷

Conergy PH	240P	245P	250P	255P	260P
Nominal output (P_{nom})	≥240W	≥245W	≥250W	≥255W	≥260W
Power class range	-2.5%/+2.5%	-2.5%/+2.5%	-2.5%/+2.5%	-2.5%/+2.5%	-2.5%/+2.5%
Module efficiency (P_{nom})	14.62%	14.90%	15.20%	15.50%	15.80%
Voltage at maximum performance (U_{mpp})	29.54V	29.92V	30.30V	30.68V	31.05V
Current at maximum performance (I_{mpp})	8.13A	8.20A	8.27A	8.33A	8.39A
Off-load voltage (U_{oc})	37.77V	37.98V	38.19V	38.40V	38.53V
Short-circuit current (I_{sc})	8.59A	8.62A	8.65A	8.69A	8.72A
Temperature coefficient (P_{mpp})	-0.47%/°C	-0.47%/°C	-0.47%/°C	-0.47%/°C	-0.47%/°C
Temperature coefficient (U_{oc}), absolute	-0.130V/°C	-0.131V/°C	-0.131V/°C	-0.132V/°C	-0.133V/°C
Temperature coefficient (U_{oc}), in percent	-0.34%/°C	-0.34%/°C	-0.34%/°C	-0.34%/°C	-0.34%/°C
Temperature coefficient (I_{sc}), absolute	4.5mA/°C	4.5mA/°C	4.5mA/°C	4.5mA/°C	4.5mA/°C
Temperature coefficient (I_{sc}), in percent	0.05%/°C	0.05%/°C	0.05%/°C	0.05%/°C	0.05%/°C

Electrical rating at 800W/m², NOCT and AM 1.5 ⁸

Conergy PH	240P	245P	250P	255P	260P
Power (P_{mpp})	180.00W	183.80W	187.50W	191.30W	195.00W
Off-load voltage (U_{oc})	34.50V	34.70V	34.89V	35.08V	35.20V
Short-circuit current (I_{sc})	7.23A	7.26A	7.28A	7.32A	7.34A
Voltage (U_{mpp})	26.75V	27.06V	27.37V	27.73V	28.08V
Current (I_{mpp})	6.73A	6.79A	6.85A	6.90A	6.95A

⁷ Standard test conditions defined as follows: 1,000W/m² radiant power at a spectral density of AM 1.5 and a cell temperature of 25°C

⁸ Measuring tolerance STC: +/-3%.



Available at:

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OUR WORLD IS FULL OF ENERGY.