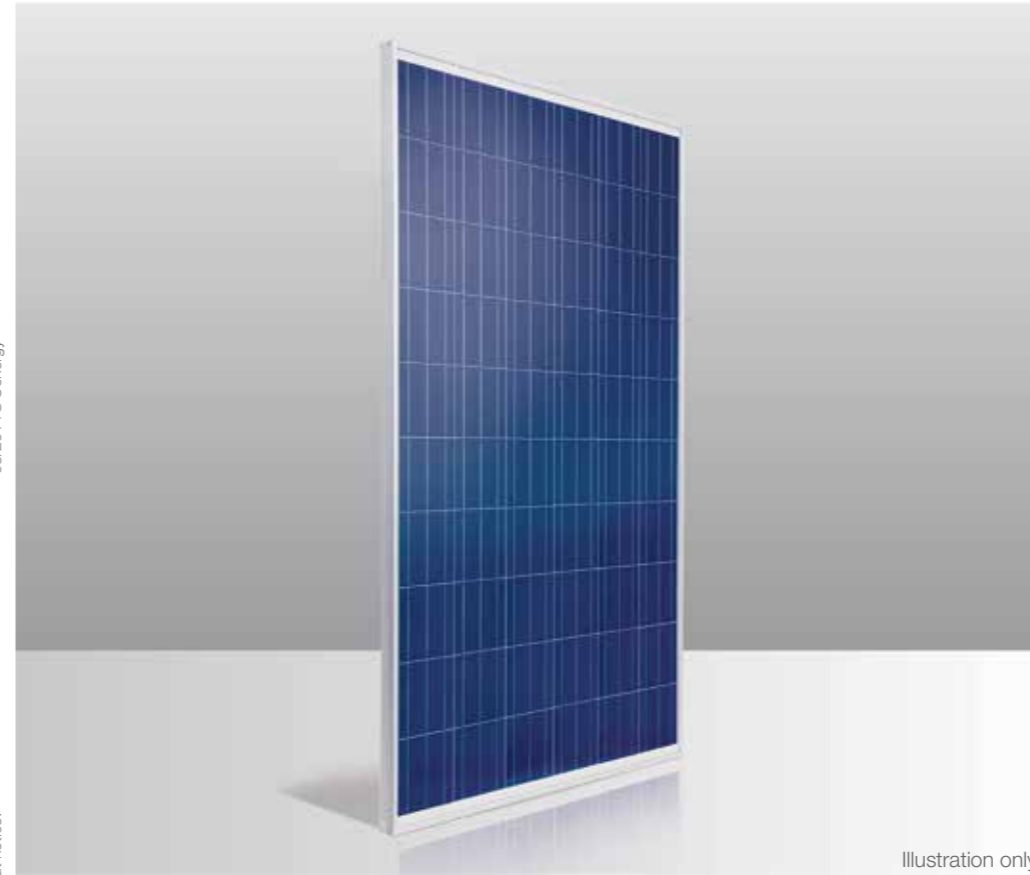


Conergy PowerPlus 240P – 260P



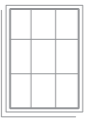
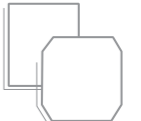

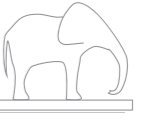



Subject to technical modifications and errors without notice.

Conergy PowerPlus solar modules offer premium quality that pays for itself. They guarantee high system yields and reliable operation over the entire term, and under the most demanding environmental and weather conditions. They are manufactured to the highest quality standards and are characterised by many well thought through details and characteristics that set standards in this combination.

Benefits:

- | Premium quality for long service life
- | Up to 3% more module output through positive performance tolerance
- | High yield security thanks to linear performance guarantee for 25 years
- | Made in Germany

	Module type
	framed
	Nominal output
	240 W – 260 W
	No. of cells
	60
	Cell type
	polycrystalline
	Module weight
	18.2 kg
	Max. permissible load ¹
	6,000 Pa
	Product warranty ²
	12 years

available at:

Conergy Asia & ME Pte. Ltd.
 80 Anson Road, Fuji Xerox Towers, #09-01
 079907 Singapore
 info-apac@conergy.com

www.conergy.com

OUR WORLD IS FULL OF ENERGY.



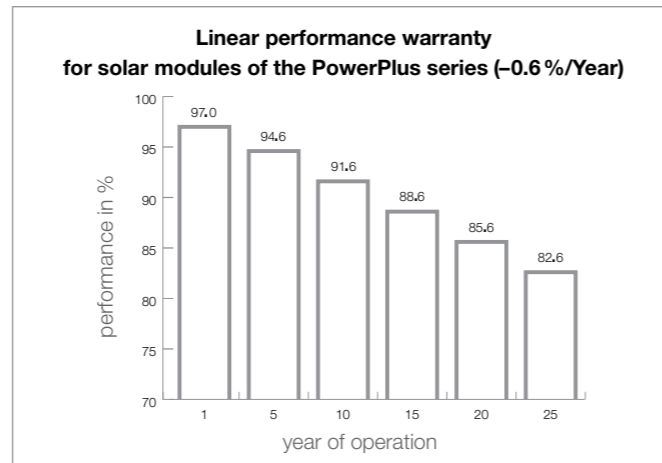
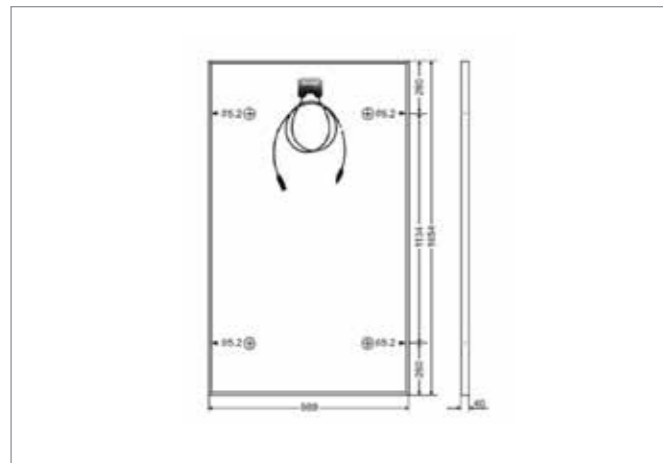
¹ In accordance with IEC 61215 Ed.2
² According to the current warranty conditions of Conergy Asia & ME Pte. Ltd.



Conergy PowerPlus 240P – 260P

Mechanical specifications and additional data

Module dimensions (L x W x H) ³	1,654 x 989 x 40 mm
Cell dimensions	156 x 156 mm
Number of cells	60
Cell type	Polycrystalline cell, 3-busbar technology
NOCT ⁴	46°C ± 2°C
Max. permissible load ⁵	6,000 Pa
Front cover type	Micro-structured solar glass, 3.2 mm thickness
Junction box	ZJRH Renhesolar GF20 (IP 67), 90 x 77 x 16 mm
Bypass-diode	3 pieces, type PST4020
Cable	2 x 1,000 mm length, 4 mm ² cross-section
Plug type	ZJRH Renhesolar 05-6 (MC4 combinable)
Frame material	Anodised aluminium
Module weight	18.2 kg
Certification	IEC/EN 61215 Ed. 2, IEC/EN 61730, ISO 9001:2008, ISO14001:2004, OHSAS 18001, MCS
Product warranty ⁶	12 years
Performance warranty ⁶	Linear performance warranty year 10: >91.6% of nominal power year 25: >82.6% of nominal power
Max. permissible system voltage	1,000 V
Reverse current loadability (IR)	20 A



³ Dimensional tolerance: +/-1 mm

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

⁵ In accordance with IEC 61215 Ed. 2

⁶ According to the current warranty conditions of Conergy Asia & ME Pte. Ltd.



Conergy PowerPlus 240P – 260P

Electrical ratings under standard test conditions ^{7,8}

Conergy PowerPlus	240P	245P	250P	255P	260P
Maximum power (P _{MPP})	≥240 Wp	≥245 Wp	≥250 Wp	≥255 Wp	≥260 Wp
Power sorting	-0%/+3%	-0%/+3%	-0%/+3%	-0%/+3%	-0%/+3%
Module efficiency	14.67%	14.98%	15.28%	15.59%	15.89%
Maximum power voltage (V _{MPP})	29.86 V	30.12 V	30.38 V	30.64 V	30.90 V
Maximum power current (I _{MPP})	8.10 A	8.20 A	8.29 A	8.39 A	8.48 A
Open circuit voltage (V _{oc})	36.45 V	36.78 V	37.12 V	37.45 V	37.78 V
Short circuit current (I _{sc})	8.59 A	8.68 A	8.76 A	8.85 A	8.93 A
Temperature coefficient of (P _{MPP}), in percent	-0.42%/°C	-0.42%/°C	-0.42%/°C	-0.42%/°C	-0.42%/°C
Temperature coefficient of (V _{oc}), absolute	-0.117 V/°C	-0.119 V/°C	-0.119 V/°C	-0.120 V/°C	-0.121 V/°C
Temperature coefficient of (V _{oc}), in percent	-0.32%/°C	-0.32%/°C	-0.32%/°C	-0.32%/°C	-0.32%/°C
Temperature coefficient of (I _{sc}), absolute	5.07 mA/°C	5.12 mA/°C	5.17 mA/°C	5.22 mA/°C	5.27 mA/°C
Temperature coefficient of (I _{sc}), in percent	0.059%/°C	0.059%/°C	0.059%/°C	0.059%/°C	0.059%/°C

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

Conergy PowerPlus	240P	245P	250P	255P	260P
Maximum power (P _{MPP})	178.70 W	182.30 W	186.00 W	189.60 W	193.40 W
Open circuit voltage (V _{oc})	34.63 V	34.94 V	35.26 V	35.58 V	35.89 V
Short circuit current (I _{sc})	6.88 A	6.94 A	7.01 A	7.08 A	7.14 A
Maximum power voltage (V _{MPP})	27.83 V	28.07 V	28.31 V	28.56 V	28.80 V
Maximum power current (I _{MPP})	6.42 A	6.49 A	6.57 A	6.64 A	6.72 A

⁷ Standard test conditions that are defined as follows: 1.000 W/m² irradiation at a spectral density of AM 1.5 and a cell temperature of 25° C

⁸ Measuring uncertainty (P_{MPP}): +/-3% Tolerance for V_{oc}, I_{sc}, V_{MPP} and I_{MPP}: +/-10%