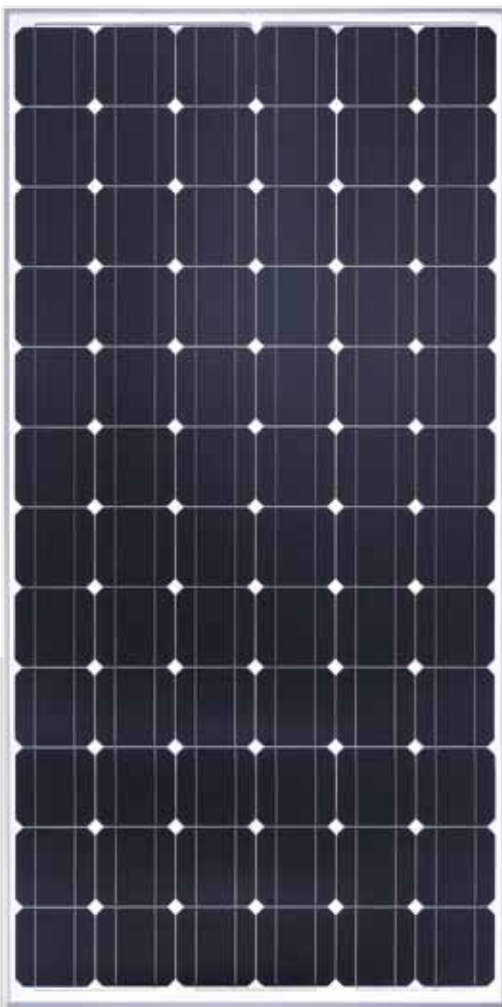




Conergy PH 175M–185M

The Conergy PH 175M–185M solar modules offer a multitude of possible uses at an attractive price/performance ratio. They are equipped with 72 efficient monocrystalline cells and have proven their worth in practical applications over the years. They are characterised by high yield and a long service life. The production process is certified according to the ISO 9001 international quality standard and also meets the high quality standards of Conergy. Thanks to the high-quality manufacturing and the small module width, the Conergy PH 175M–185M can be used for variety of applications.

Solar modules in the Conergy P-series are also available with polycrystalline cells in other power classes and different module dimensions.



Benefits for the system operator

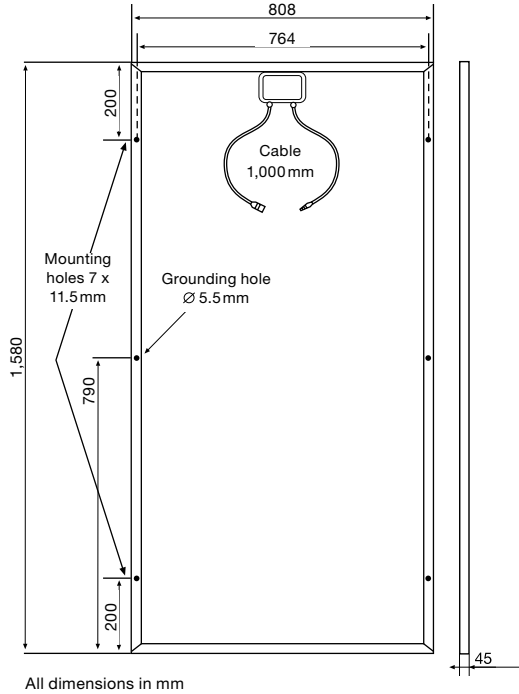
- | Attractive price/performance ratio
- | Certification in accordance with IEC/EN 61215 Ed. 2 and IEC/EN 61730
- | Low performance tolerance of +/- 2.5%
- | Secure investment decision thanks to a 5-year product warranty

Benefits for the installer

- | Simple installation thanks to functional connection technology
- | Option to combine with Conergy inverters and mounting systems



Conergy PH 175M–185M



Module dimensions	
(L × W × H):	1,580 × 808 × 45 mm
Cell dimensions:	125 × 125 mm
Number of cells:	72
Cells:	monocrystalline
NOCT: ¹	47±2 °C
Weight:	15.5 kg
Certification:	in accordance with IEC/EN 61215 Ed. 2 and IEC/EN 61730
Product warranty:	5 years
Warranted power:	90% of the nominal power for 10 years 80% of the nominal power for 25 years
Maximum system voltage:	1,000 V

Conergy PH	175M	180M	185M
Electrical values			
Nominal output (P _{NOM}) according to STC ²	175 W	180 W	185 W
Performance tolerance	±2.5 %	±2.5 %	±2.5 %
Module efficiency factor	13.7 %	14.1 %	14.5 %
MPP voltage (V _{MPP})	34.82 V	35.34 V	35.86 V
MPP current (I _{MPP})	5.02 A	5.09 A	5.16 A
Off-load voltage (V _{OC})	44.55 V	44.86 V	45.17 V
Short-circuit current (I _{SC})	5.42 A	5.49 A	5.55 A
Temperature coefficient (P _{MPP})	-0.48 %/°C	-0.48 %/°C	-0.48 %/°C
Temperature coefficient (V _{OC})	-0.158 V/°C	-0.159 V/°C	-0.160 V/°C
Temperature coefficient (V _{OC})	-0.36 %/°C	-0.36 %/°C	-0.36 %/°C
Temperature coefficient (I _{SC})	3.4 mA/°C	3.4 mA/°C	3.5 mA/°C
Temperature coefficient (I _{SC})	0.06 %/°C	0.06 %/°C	0.06 %/°C
Junction box specifications			
Socket dimensions (L × W × H)	151 x 120 x 26 mm		
Protection type	IP 65		

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

² Standard Test Conditions defined as follows: 1,000 W/m² radiant power at a spectral density of AM 1.5 (ASTM E892), cell temperature of 25 °C.

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