



Conergy P 170-180M

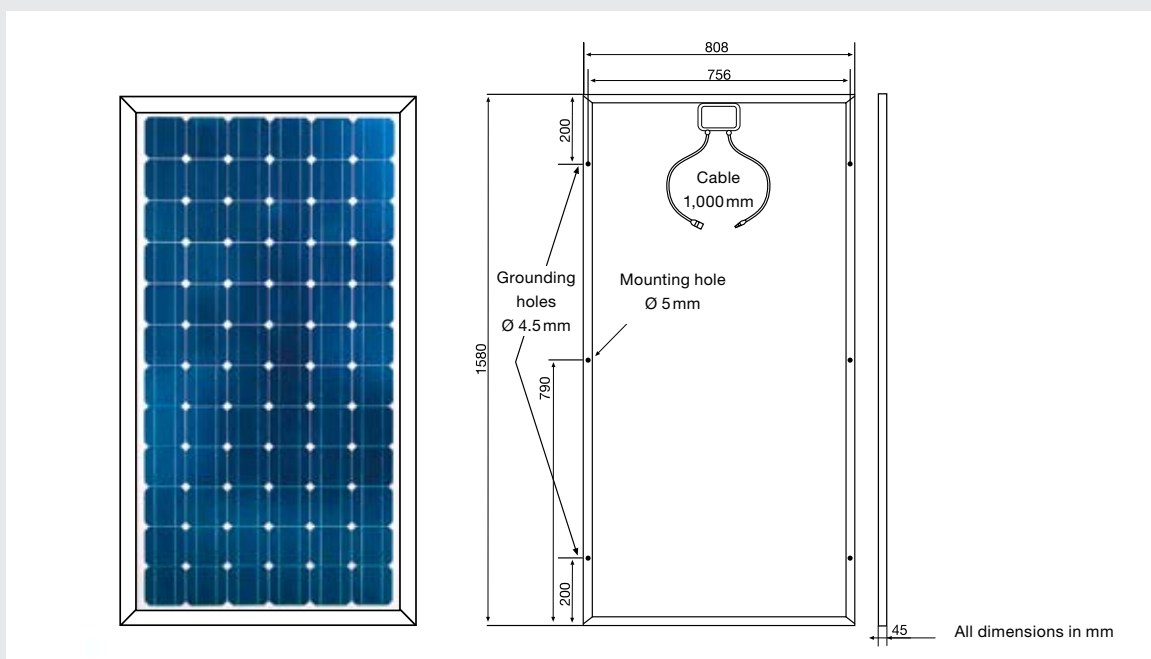
The Conergy solar module P 170-185M is designed for large electrical power requirements. Its high-quality properties facilitate its use in a wide range of applications. Extremely powerful and reliable this module has high efficiency monocrystalline cells.



- | Cells embedded in EVA (ethylene vinyl acetate) ensure a long-term performance
- | Solar glass on the front side raises the UV resistance and improves the insulation
- | Using waterproof film extends the outdoor use
- | Its sturdy, aluminium frame offers a higher resistance
- | Modules are equipped with MC IV connectors to enable fast and safe installation

Warranties and Certificates¹

- | 5-year product warranty
- | 12 year warranty on 90% of the minimum power
- | 25 year warranty on 80% of the minimum power
- | IEC 61215 and IEC 61730



¹ According to current Conergy warranty conditions



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These modules can be used in a wide range of applications. Ideal for power plant, solar home, tracker or flat roof these modules offer you the best solution for your On-Grid installation.

We suggest you connect this module with one of our reliable and flexible WR or SB Inverters. For every type and size of application, we also offer secure and durable mounting systems. Whether pitched roof, flat roof, open field, pole top or custom-made installation – Conergy mounting systems are designed to suit all individual requirements.

	Conergy P 170M	Conergy P 175M	Conergy P 180M
Electrical specifications			
Nominal power (P_{NOM}) as per STC ¹	170 W	175 W	180 W
Tolerance	±3 %	±3 %	±3 %
Module efficiency	13.3 %	13.7 %	14 %
MPP voltage (V_{MPP})	35.9 V	36 V	36 V
MPP current (I_{MPP})	4.74 A	4.86 A	5 A
Open-circuit voltage (V_{OC})	44.5 V	44.8 V	45 V
Short-circuit current (I_{SC})	5.12 A	5.17 A	5.2 A
Temperature coefficient (P_{MPP})	-0.4 %/°C	-0.4 %/°C	-0.4 %/°C
Temperature coefficient (V_{OC})	-0.169 V/°C	-0.17 V/°C	-0.171 V/°C
Temperature coefficient (V_{OC})	-0.38 %/°C	-0.38 %/°C	-0.38 %/°C
Temperature coefficient (I_{SC})	0.04 %/°C	0.04 %/°C	0.04 %/°C
Temperature coefficient (I_{SC})	2 mA/°C	2 mA/°C	2 mA/°C
Maximum system voltage	1,000 V	1,000 V	1,000 V
Cell specifications			
Cells	monocrystalline	monocrystalline	monocrystalline
Number of cells	72	72	72
Cell dimensions	125 × 125 mm	125 × 125 mm	125 × 125 mm
Module dimensions			
Dimensions (L × W × H)	1,580 × 808 × 45 mm	1,580 × 808 × 45 mm	1,580 × 808 × 45 mm
Weight	15 kg	15 kg	15 kg
Junction box specifications			
Dimensions (L × W × H)	143 × 140 × 28 mm	143 × 140 × 28 mm	143 × 140 × 28 mm
Safety rating	IP 65	IP 65	IP 65
DC plugs	MC IV	MC IV	MC IV

¹ Standard Test Conditions, which are defined as follows: irradiance of 1,000W/m² at a spectral density of AM 1.5 (ASTM E892). Cell temperature of 25 °C.

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