



CONERGY

Photovoltaic modules | Technical Data

Conergy P 170/175/180M

Range of applications

- | Grid-connected photovoltaic systems
- | Large PV systems

High-quality components

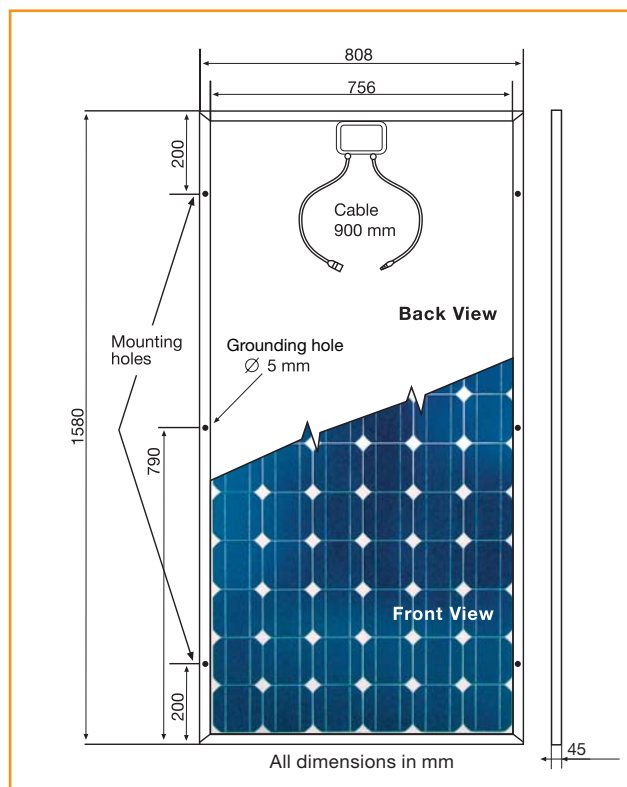
- | Cells embedded in EVA (ethylene vinyl acetate)
- | Solar glass on the front side
- | Waterproof foil on the back side
- | High strength frame

Installation features

- | Multi-contact (MC IV) plug supplied as standard

Warranties and certificates

- | 12 year warranty on 90% of the minimum power²
- | 25 year warranty on 80% of the minimum power²
- | Product warranty: 5 years²
- | IEC 61215 in process
- | Safety Class II in process



	P 170M	P 175 M	P 180 M
Nom. power (P_{NOM})¹	170 W	175 W	180 W
Tolerance	+/-5 %	+/-5 %	+/-5 %
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 (I_{SC})	0.04 % / °C	0.04 % / °C	0.04 % / °C
Maximum system voltage	748 V	748 V	748 V
Cells	72 monokristallin		
Cell dimensions	125 × 125 mm		
Module dimensions (L × B × H)	1,580 × 808 × 45 mm		
Weight	15 kg		

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

² According to current Conergy warranty conditions

Available from: