



CONERGY

Photovoltaic modules | Technical Data

Conergy Q 80PI

Adaptable solar module to fit your every need

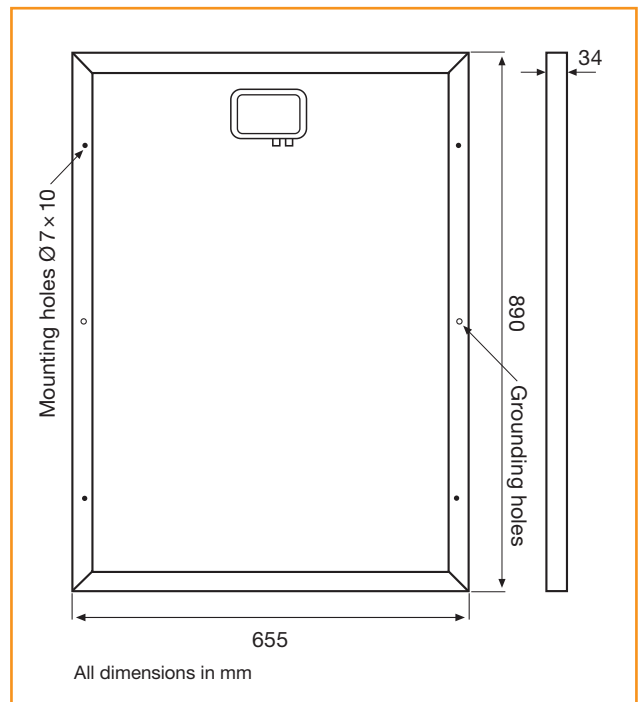
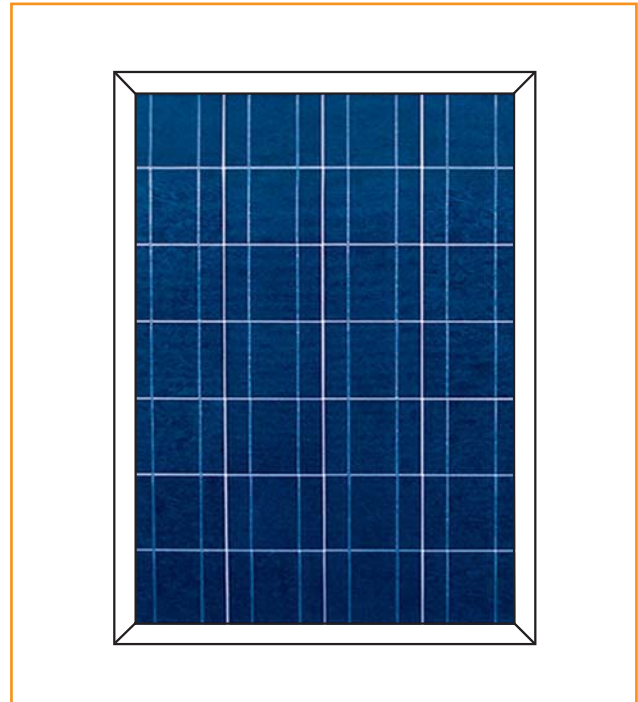
The Conergy solar module Q 80PI provides the ideal solution for off-grid and remote power systems. Its high-quality properties facilitate its use in a wide range of applications. Powerful and reliable, this module has every requirement to fit your needs.

- | Solar glass on the front side raises the UV resistance and improves the insulation
- | The cells embedded in EVA resin ensure a long-term performance
- | Its aluminium frame offers a high resistance and a faster screwing with 4 fixing holes
- | The module has no cable to better adapt it to every system
- | Comfortable connection of cables up to 4 mm²
- | With a 5-year product warranty¹, the modules have high-efficiency and long-lasting operating time
- | 10 year warranty on 90 % of the minimum output¹
- | 25 year warranty on 80 % of the minimum output¹
- | IEC 61215: IEC-testing of modules includes torsion, hailstorm, snow loads, heating and humidity test and mechanical stress



This module can be used in a wide range of applications. Ideal for solar home, pumping, professional and residential uses this module offers you the best solution for your Off Grid system.

We suggest you connect this module with one of our reliable and flexible MIC Inverters. For every type and sizes of application, we 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.



PHOTOVOLTAICS

¹ According to current Conergy warranty conditions



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Electrical specifications

Nominal power (P_{NOM}) as per STC ¹	80 W
Tolerance	±5 %
MPP voltage (V_{MPP})	16.5 V
MPP current (I_{MPP})	4.85 A
Open-circuit voltage (V_{OC})	20 V
Short-circuit current (I_{SC})	5.67 A
Module efficiency	13.72 %
Temperature coefficient (P_{MPP})	-0.48 %/°C
Temperature coefficient (V_{OC})	-0.072 V/°C
Temperature coefficient (V_{OC})	-0.36 %/°C
Temperature coefficient (I_{SC})	4.4 mA/K
Temperature coefficient (I_{SC})	0.078 %/°C
Maximum system voltage	600 V

Cells specifications

Cells	polycrystalline
Number of cells	36
Cell dimensions	89 × 156 mm

Module dimensions

Dimensions (L × W × H)	890 × 655 × 34 mm
Weight	7.3 kg

Junction box

Dimensions (L × W × H)	148 × 132 × 27 mm
Safety rating	IP 65

Available from:

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

² Normal Operating Cell Temperature: under 800 W/M², air masse 1.5 spectrum, wind velocity 1 m/s, T amb. 20 °C