



CONERGY

Photovoltaic modules | Specifications

Conergy Q 130MI

Optimised efficiency

- Improved UV transmission by using solar glass
- High module efficiency of 13 %

Resistivity and robustness

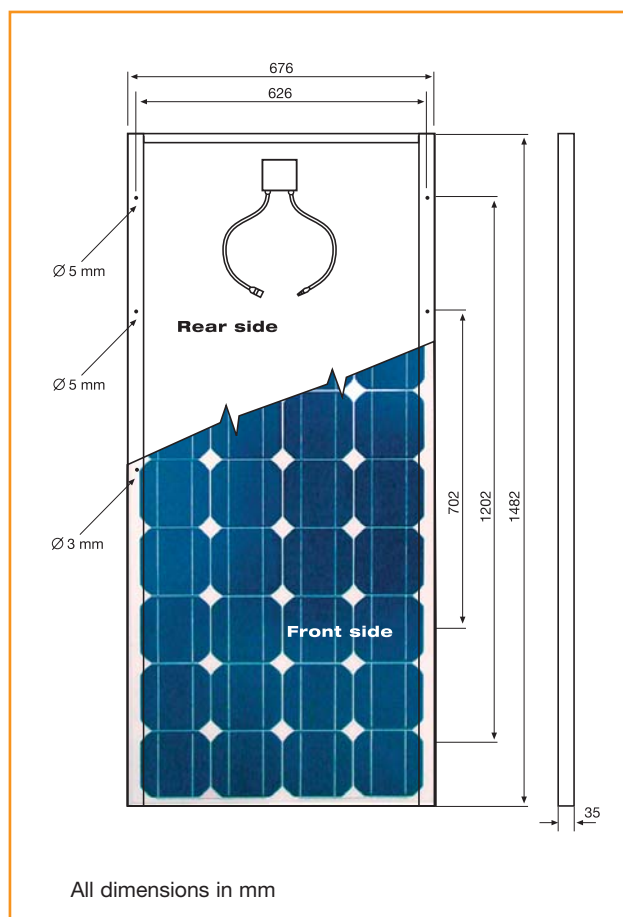
- Weatherproof junction box: Index of Protection IP 65, operating temperatures -40°C to $+85^{\circ}\text{C}$
- Sturdy, screwed aluminium frame
- Cells embedded in EVA (ethylene vinyl acetate), thereby high UV resistance and good isolation
- IEC-testing of modules includes torsion, hailstorm, snow loads, heating and humidity test and mechanical stress

Simple installation

- Fast screwing with 8 eligible fixing holes
- Multi-contact (MCIV) plug supplied as standard

Warranties and certificates

- 12 year warranty on 90 % of the nominal power¹
- 25 year warranty on 80 % of the nominal power¹
- Product warranty: 5 years¹
- IEC 61215



Electrical specifications

Nom. power rating (P_{NOM}) as per STC ²	130 W
Tolerance of the nominal power (P_{NOM})	$\pm 5\%$
MPP voltage (V_{MPP})	17.5V
MPP current (I_{MPP})	7.43 A
Open circuit voltage (V_{OC})	22.2 V
Short circuit current (I_{SC})	8.04 A
Temperature coefficient (P_{MPP})	$-0.48\% / ^{\circ}\text{C}$
Temperature coefficient (V_{OC})	$-0.078\text{ V} / ^{\circ}\text{C}$
Temperature coefficient (I_{SC})	$4.42\text{ mA} / ^{\circ}\text{C}$
Maximum system voltage	1,000 V

Cell specifications

Cells	monocrystalline
Number of cells	36
Cell dimensions	156 x 156 mm

Module dimensions

Dimensions (L x W x H)	1,482 x 676 x 35 mm
Weight	12.0 kg

¹ According to current Conergy warranty conditions

² Standard Test Conditions: irradiance $1,000\text{W}/\text{m}^2$, air mass 1.5 (ASTM E 892) and cell temperature 25°C

Available from: