



CONERGY

Photovoltaic modules | Specifications

Conergy Q 20PA

Optimised efficiency

- | Improved UV transmission by using solar glass
- | Reduced reflection because of optimised anti-reflective coating
- | High module efficiency of 11.2 %
- | Better and consistent apparition of the cells

Resistivity and robustness

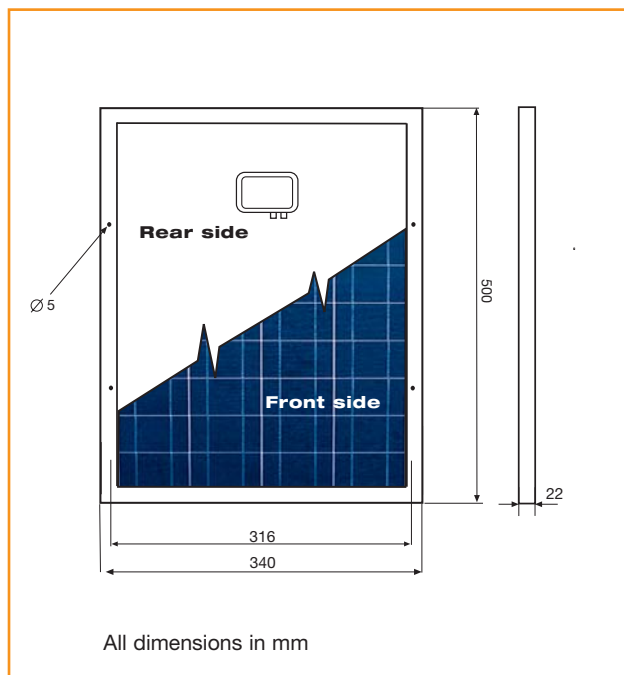
- | Sturdy, screwed aluminium frame
- | Cells embedded in EVA (ethylene vinyl acetate), thereby high UV resistance and good isolation

Simple installation

- | Fast screwing with 4 fixing holes
- | Comfortable connection of cables up to 2 mm²

Warranties and certificates

- | 10 year warranty on 90 % of the nominal power¹
- | 25 year warranty on 80 % of the nominal power¹
- | Product warranty: 5 years¹
- | IEC 61215



PHOTOVOLTAICS

Electrical specifications

Nom. power rating (P_{NOM}) as per STC ²	20 W
Tolerance of the nominal power (P_{NOM})	$\pm 5\%$
MPP voltage (V_{MPP})	16.5 V
MPP current (I_{MPP})	1.22 A
Open circuit voltage (V_{OC})	20.0
Short circuit current (I_{SC})	1.36 A
Temperature coefficient (P_{MPP})	-0.46 %/°C
Temperature coefficient (V_{OC})	-0.072 V/°C
Temperatur coefficient (I_{SC})	1.73 mA/°C
Maximum system voltage	600 V

Cell specifications

Cells	polycrystalline
Number of cells	36
Cell dimensions	156 x 24 mm

Module dimensions

Dimensions (L x W x H)	500 x 340 x 22 mm
Weight	2 kg

Available from:

¹ According to current Conergy warranty conditions

² Standard Test Conditions: irradiance 1000W/m², air mass 1.5 (ASTM E 892) and cell temperature 25°C.