



Conergy C 121TF

The Conergy solar module C 121TF is a thin film module for a wide range of applications. The advanced micromorph tandem cell technology, which consists of an amorphous and a micro-crystalline silicon solar cell structure, leads to a powerful and reliable thin film product.



Product advantages

- | For grid connected photovoltaic systems
- | Excellent performance at low irradiation due to very good absorption behaviour in a wide range of the spectra of the sun and a very good absorption of diffusive light
- | Appealing esthetical design due to uniform cell colour and homogeneous appearance
- | Low temperature coefficient in electrical power allows reliable efficiency at high temperatures
- | Module with aluminium frame
- | Consistent product quality thanks to automated production
- | Low initial degradation compared to pure amorphous silicon

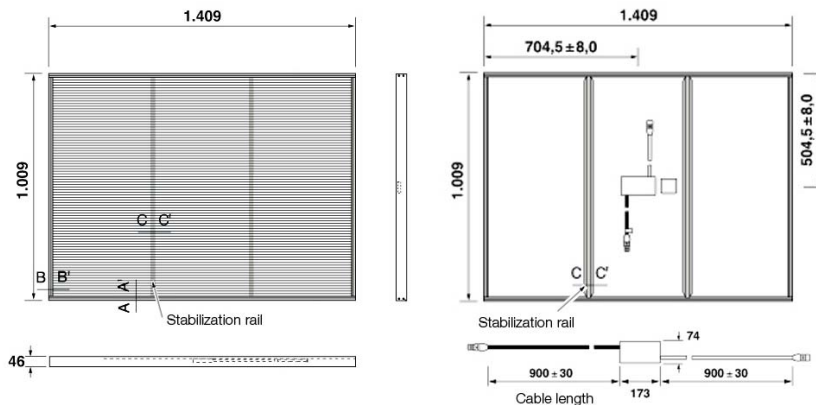
Warranties and Certificates

- | 10 years performance warranty on 90% of minimum output¹
- | 25 years performance warranty on 80% of minimum output¹
- | 5 years product warranty¹
- | IEC 61646 Ed. 2 and IEC 61730
- | ISO 9001 and CE declaration

¹ According to current Conergy warranty conditions



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Note: Please read and follow the installation manual for grounding and additional system components.

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Electrical specifications	
Output power (P_{mpp}) at STC ¹	121 Wp
Power Tolerance	-5/ + 10 %
Maximum power voltage (V_{mpp}) at STC	45.00 V
Maximum power current (I_{mpp}) at STC	2.69 A
Open circuit voltage (V_{oc}) at STC	59.20 V
Short circuit current (I_{sc}) at STC	3.34 A
Temperature coefficient of P_{mpp}	-0.24 %/°C
Temperature coefficient of V_{oc}	-0.30 %/°C
Temperature coefficient of I_{sc}	0.07 %/°C
Maximum permitted system voltage cording to IEC 61730	1,000 V
NOCT ³	44 °C
Output power (P_{mpp}) at an irradiance of 800W/m ² , NOCT, AM 1,5	91.70 Wp
Maximum power voltage (V_{mpp}) at 800W/m ² , NOCT, AM 1,5	41.90 V
Maximum power current (I_{mpp}) at 800W/m ² , NOCT, AM 1,5	2.18 A
Open circuit voltage (V_{oc}) at 800W/m ² , NOCT, AM 1,5	55.10 V
Short circuit current (I_{sc}) at 800W/m ² , NOCT, AM 1,5	2.70 A
Reverse current capacity of the module	5 A
Electrical data - Initial values	
Output power (P_{mpp}) at STC	142.4 Wp
Open circuit voltage (V_{oc}) at STC	60.20 V
Short circuit current (I_{sc}) at STC	3.43 A
Mechanical values	
Module dimensions (L x W x H)	1,409 x 1009 x 46 mm
Cell type	micromorph
Plug type	MultiContact III
Net Weight of the module	19.0 kg
Mechanical load strength (according to IEC61215)	2,400 Pa

¹ Stabilized within several days
² Standard Test Conditions: Irradiance 1,000 W m⁻² with the AM 1.5 spectral irradiance distribution; cell temperature: 25 °C +/- 2 °C
³ Nominal operating temperature of the cell at 800 W m⁻² irradiance, 20 °C ambient temperature, wind speed of 1 m/s

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