



Conergy P 180M

The Conergy P 180M offers high output levels at an attractive price/performance ratio. Equipped with 72 high-efficiency, monocrystalline cells, they have proven their value in practical applications and years of operation. They are characterized by high yields and a long service life. Conergy P production is certified to ISO 9001 international quality standards and Conergy continually monitors the production process to insure product quality. These high-efficiency modules are powerful and versatile enough for any application from residential through utility scale.

Solar modules in the Conergy P-series are also available with polycrystalline cells in other power classes and different module dimensions.



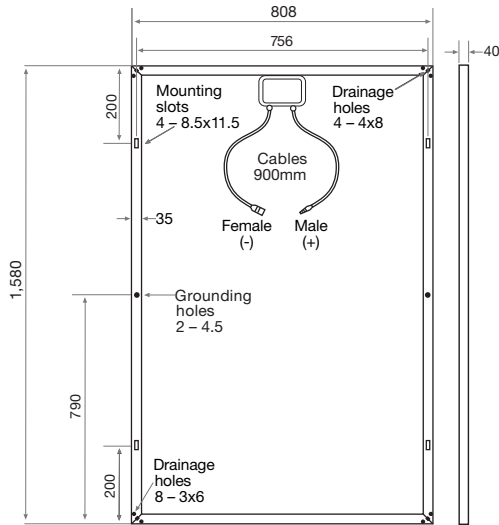
Features:

- | Attractive price/performance ratio
- | High-efficiency, monocrystalline cells
- | Certified to UL1703, IEC/EN61215, 61730
- | High-performance, $\pm 3\%$ power tolerance
- | 5-year product warranty



CONERGY

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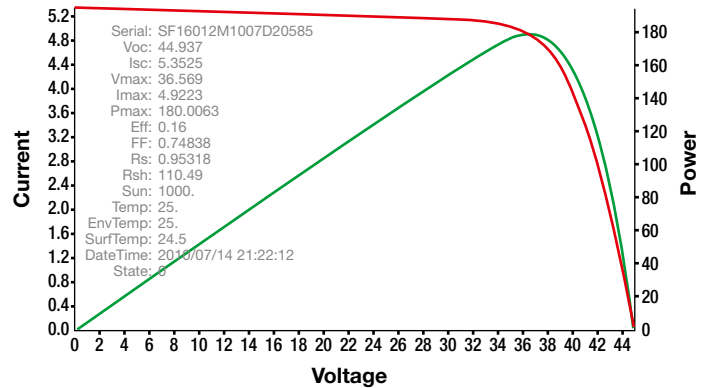


All dimensions in mm

Module dimensions	
(L x W x H)	1580 x 808 x 40 mm/62.2 x 31.8 x 1.6 in
Cell dimensions	125 x 125 mm/4.92 x 4.92 in
Number of cells	72
Module weight	15 kg/33 lbs
Static wind/snow load	5400Pa/113psf
Glass	Tempered, A/R coating
Junction box	IP65 Class
Cable	900 mm/35.4 in PV Wire, 4 mm ²
Connector	Amphenol H4 (MC4 compatible)
Certifications	
Operating certifications	cULus, IEC 61215 Ed.2
Fire safety classification	Class C
Warranty	
Material and workmanship warranty	5 years
Power warranty 1	90%/12 years
Power warranty 2	80%/25 years



Conergy P 180M	
Rated power (P_{max})¹	180W
Power tolerance	±3%
Module efficiency	14.10%
Maximum power voltage (V_{mpp})	36.00V
Maximum power current (I_{mpp})	5.00A
Open circuit voltage (V_{oc})	45.0V
Short circuit current (I_{sc})	5.2A
Nominal Operating Cell Temperature (NOCT)	45.9°C/114.6°F
Temperature coefficient (P_{max})	-0.44%/°C
Temperature coefficient (V_{oc})	-0.33%/°C
Temperature coefficient (I_{sc})	+0.03%/°C
Operating temperature range	-40°C - +85°C / -40°F - +136°F
Maximum system voltage	600V (UL) /1000V (IEC)
Maximum Series Fuse Rating	10A



— Current vs. Voltage
— Power vs. Voltage

¹ At Standard Test Conditions (STC): 1000W/m², 25°C, AM 1.5 spectral density
² Available at additional cost

Available from: