

185 Watts monocrystalline

Photovoltaic module CPS-Black 185M



Your project: the solution for you



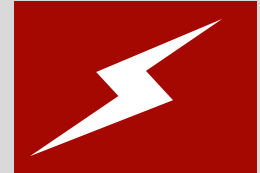
Mechanical strength of the frame reinforced with toothed interlocking system.



European back sheet for a perfect insulation, protection, watertightness and long-term strength



TUV and IP65 certified junction box equipped with MC4 compatible connectors, ensuring high efficiency. Build-in bypass diodes.



Every single module is systematically flashed and controlled. Flash report is sent to customer for every order of modules.

Warranties & Insurances: 5 strengths of CP-Solar

1. A 10-year material warranty on photovoltaic modules

2. Power output warranty on individual module:

- 94% of efficiency during 5 years
- 92% of efficiency during 10 years
- 90% of efficiency during 15 years
- 85% of efficiency during 20 years
- 80% of efficiency during 25 years

3. European products liability insurance:

- All the products manufactured and/or marketed by CP-Solar with a CP-Solar Europe billing
- Covers all the consequences due to products (manufacturing defects, personal injuries, etc.)
- Subsequent of 5 years
- Products are insured worldwide (excluded USA and Canada)
- Resumption of the past, only the dispute date is considered, not the date of products production.

4. A multi-risks insurance, unique in France and Europe:

- All construction risks
- All operational risks
- Power output warranty.

5. CP-Solar is registered within several European banks: "bankable" beside Unifergie, OSEO, Natixis, BNP Paribas, etc.



CP-Solar is committed to recycle your modules at their End-life (factory opening in 2014)

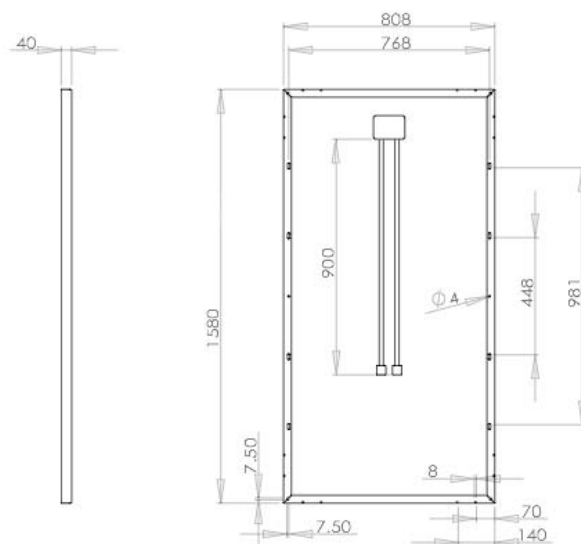
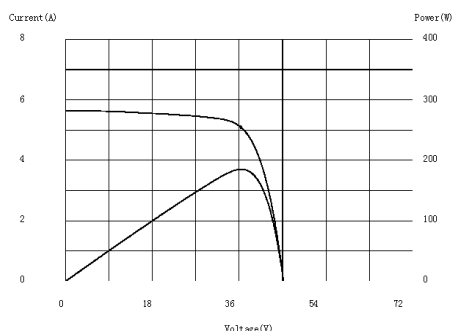


www.cp-recycle.com

Electrical Data	
Maximum power (P_{max})	185Wp
Tolerance	+/-3%
Maximum power voltage (V_{pm})	36.90V
Maximum power current (I_{pm})	5.01A
Open circuit voltage (V_{oc})	44.50V
Short circuit current (I_{sc})	5.31A
Cells efficiency	17.3%
<i>STC: Irradiation 1000W/m², AM 1,5 and temperature 25°C</i>	

Mechanical Data	
Number of cells	72
Number of by-pass diodes	3 (1 for 24 cells)
Back sheet	PYE
Tempered glass thickness	3.2mm
Frame	Anodized aluminium
Weight	14.8 Kg
Cell dimensions	125*125mm, \varnothing 165mm
Module dimensions	1580*808*40mm

Temperature coefficient	
NOCT	45 +/-2°C
Temperature coefficient (P_m)	-0.5%/°C
Temperature coefficient (V_{pm})	-0.38%/°C
Temperature coefficient (I_{pm})	+0.1%/°C
Temperature coefficient (V_{oc})	-(0.3±0.05)%/°C
Temperature coefficient (I_{sc})	(0.065±0.015)%/°C



Technical data	
Maximum system voltage	1000V
Operating temperature	-40°C to +85°C
Maximum load	2400Pa

Packing data		
Container	20GP	40GP
Quantity	308	672

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CAUTION: READ CAREFULLY THE INSTALLATION MANUAL BEFORE USING THE PRODUCT