

24V Solar Modules 160, 180, 200 Watt



Engineered in Europe Manufactured in Kenya

In 1 day the earth receives enough radiation from the sun to cover our global energy consumption for a full year. So let's use it!

Our high-performance solar modules are designed by our Dutch mother company Ubbink for optimal yield and return-on-investment.

Ubbink solar modules are manufactured in our own production facility in Naivasha, Kenya. The use of European production knowledge and carefully selected components like European Solar Cells are the foundation for a top quality solar module.

Electrical Properties at STC*			
Model	160 Watt	180 Watt	200 Watt
Maximum power Pmax	160W	180W	200W
Current maximum powerpoint Impp	4.5A	5.1A	5.6A
Voltage maximum powerpoint Vmpp	35.5V		
Open circuit voltage Voc (STC)	41.0V		
Short circuit current Isc	5.2A	5.9A	6.5A
Operating temperature	-40°C to 85°C		
Maximum system voltage (V)	715V		
Power tolerance	±3%		
Diode	3 x 10A		

*STC (Standard Test Condition):

- Irradiance 1000 W/m²,
- Module temperature 25°C
- Spectrum AM 1.5



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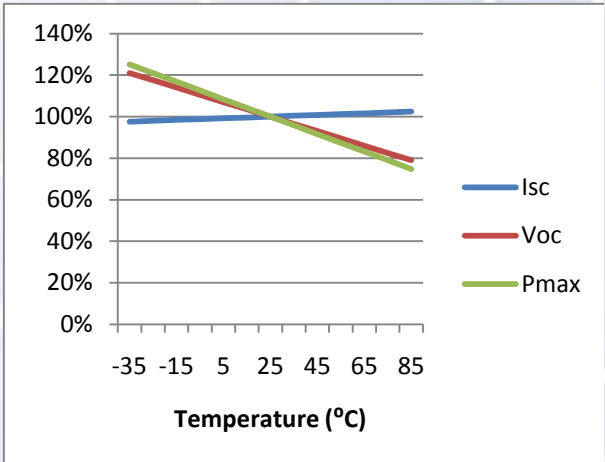
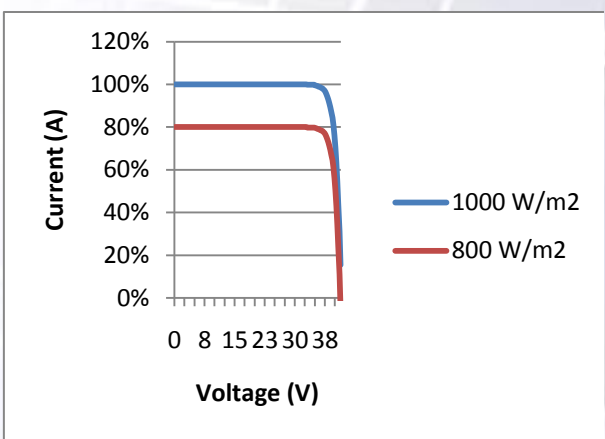


Warranty			
Model	160 Watt	180 Watt	200 Watt
Product Warranty	10 years		
Output Warranty	25 year Linear warranty (1 st year 97%, after 2 nd year 0.7% annual degradation, 80% after 25 years)		

Mechanical Properties			
Model	160 Watt	180 Watt	200 Watt
No. of cells	72 (6x12)		
Cell type	Polycrystalline cell		
Module dimensions (a) x (b)	990 x 1660 mm	990 x 1660 mm	990 x 1660 mm
Distance mounting hole (c) – (d)	150-250-860-250-150	150-250-860-250-150	150-250-860-250-150
Weight	18.7kg	18.7kg	18.7kg

Output Terminal			
Model	160 Watt	180 Watt	200 Watt
Output Terminal	Junction box IP65 with male/female connection		
Cable	4mm ² - 10A - 1000V		

Characteristic Curves



Physical dimensions

