

100W Solar panel specifications

Our range of solar panels are constructed from ultra-efficient polycrystalline and have been designed to provide a reliable and cost-effective alternative energy solution for applications where mains power is either not available, or not desirable.

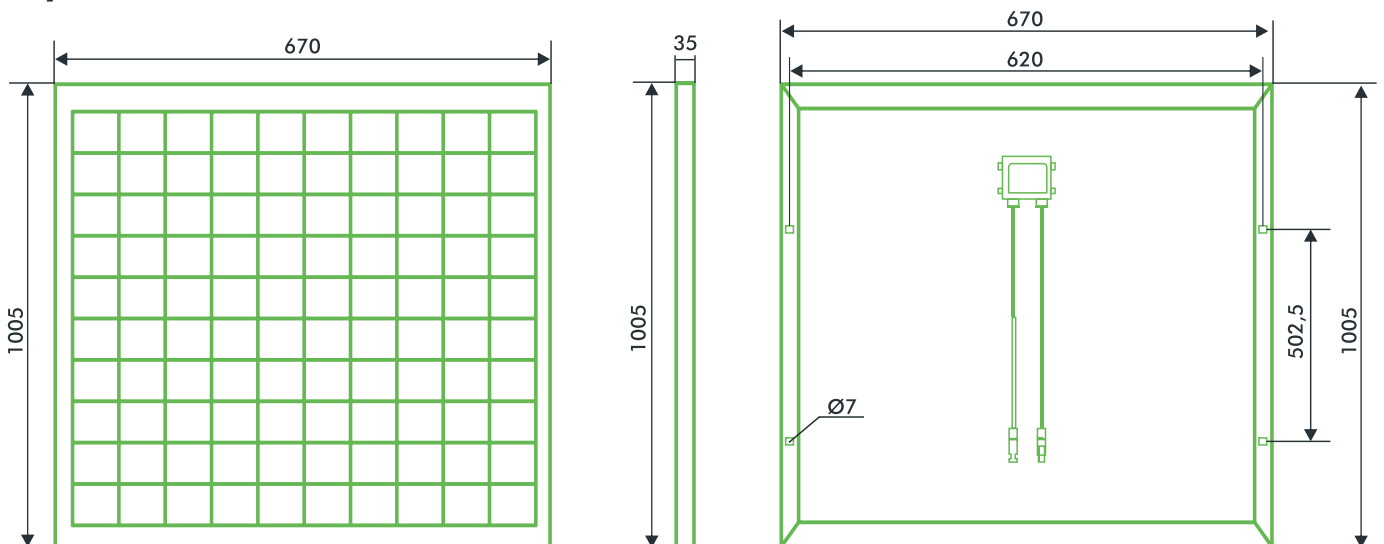
Main features:

- Clever engineering makes for minimal power losses during prolonged periods in shade
- Fully weather-resistant - durable white tempered glass, EVA resin and weather-resistant film enclosed in anodised aluminium frame

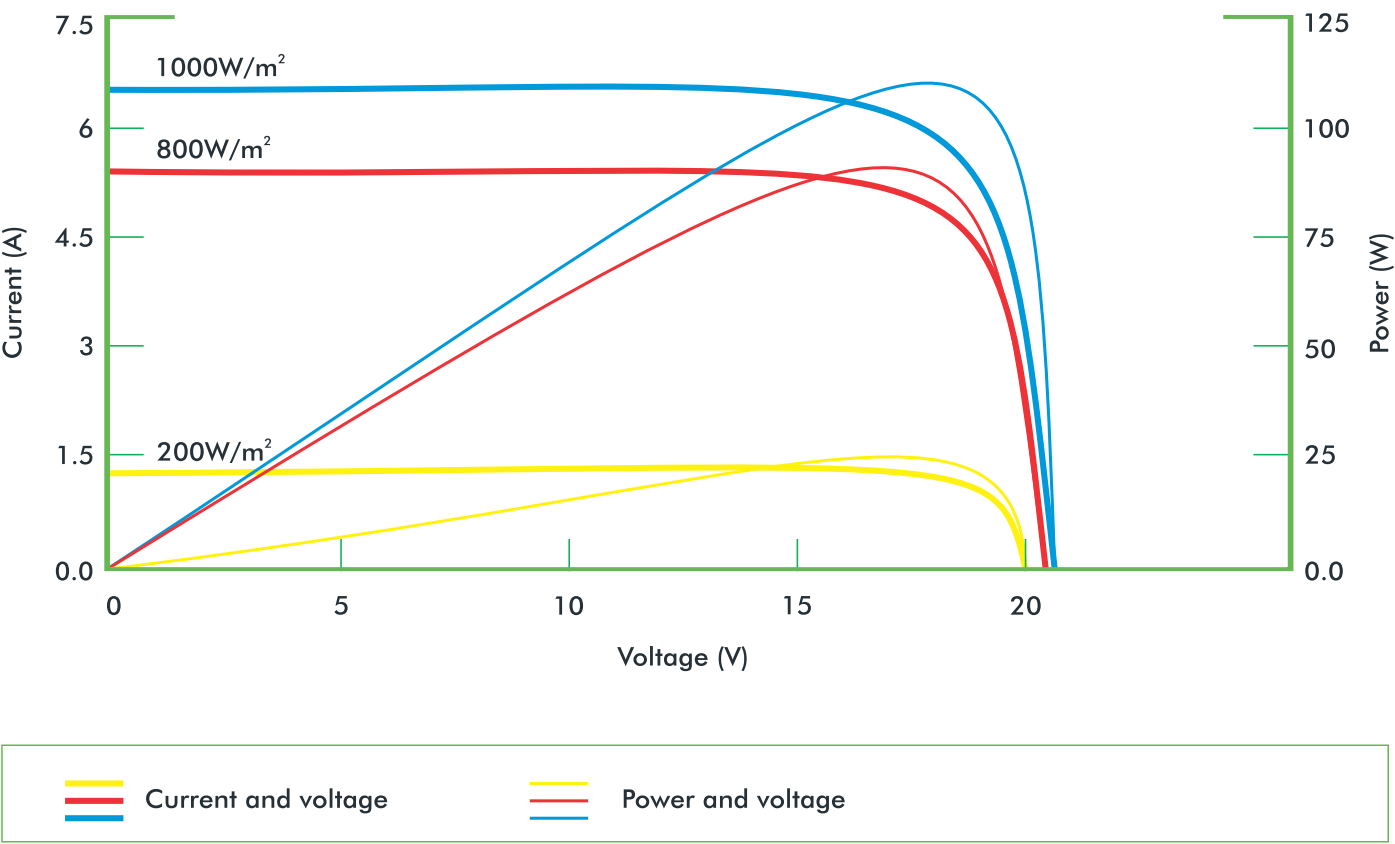
Technical specifications

Type Of Module	100W
Maximum Power	100W
Tolerance	$\pm 3\%$
Open Circuit Voltage	22V
Short Circuit Current	6,06A
Maximum Power Voltage	18V
Maximum Power Current	5,56A
Module Efficiency	14,9%
Solar Cell Efficiency	17,2%
Series Fuse Rating	15A
Terminal Box	IP65
Maximum system voltage	1000V DC
Operating Temperature	-40°C - 85°C
Dimensions	1005mm x 670mm x 30mm
Weight	8kg

Physical dimensions



Current-voltage and power-voltage characteristics - various irradiance levels



Electrical characteristics

Electric performance typical performance characteristics	
Current Temperature Coefficient %/°C	+0.06
Voltage Temperature Coefficient %/°C	-0.34
Power Temperature Coefficient %/°C	-0.47
Performance Warranty: 90%output, 12 year 80%output, 25 years	