

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.

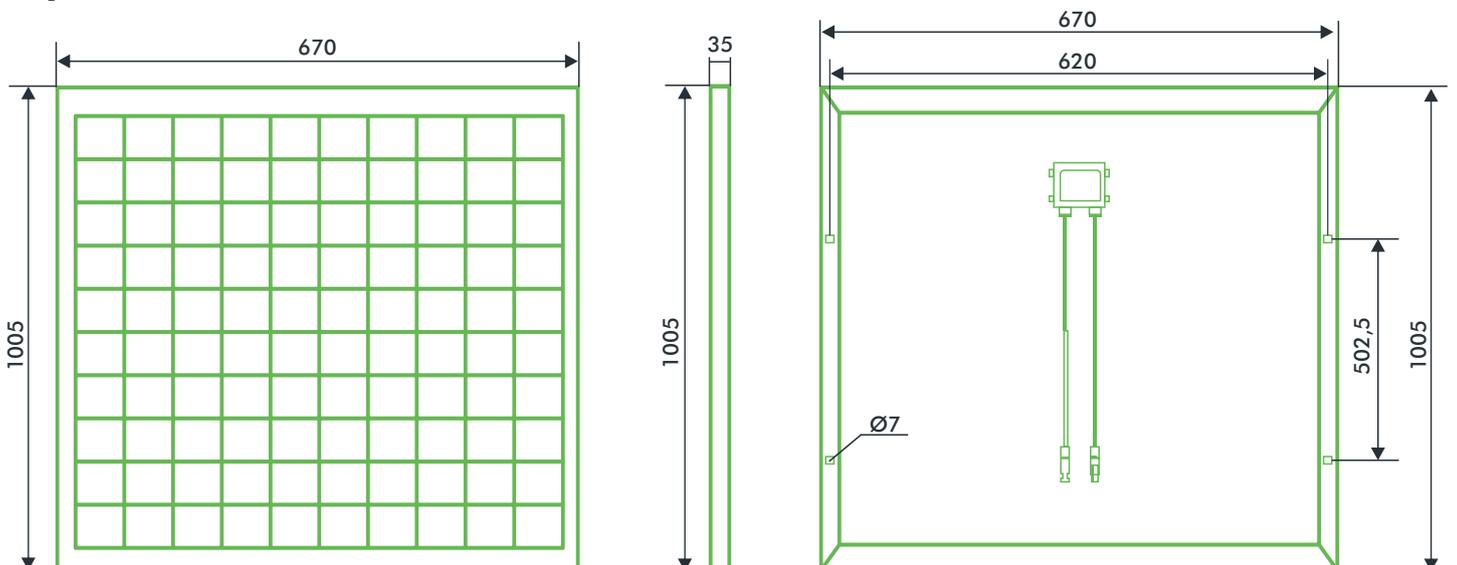
Main features:

- 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

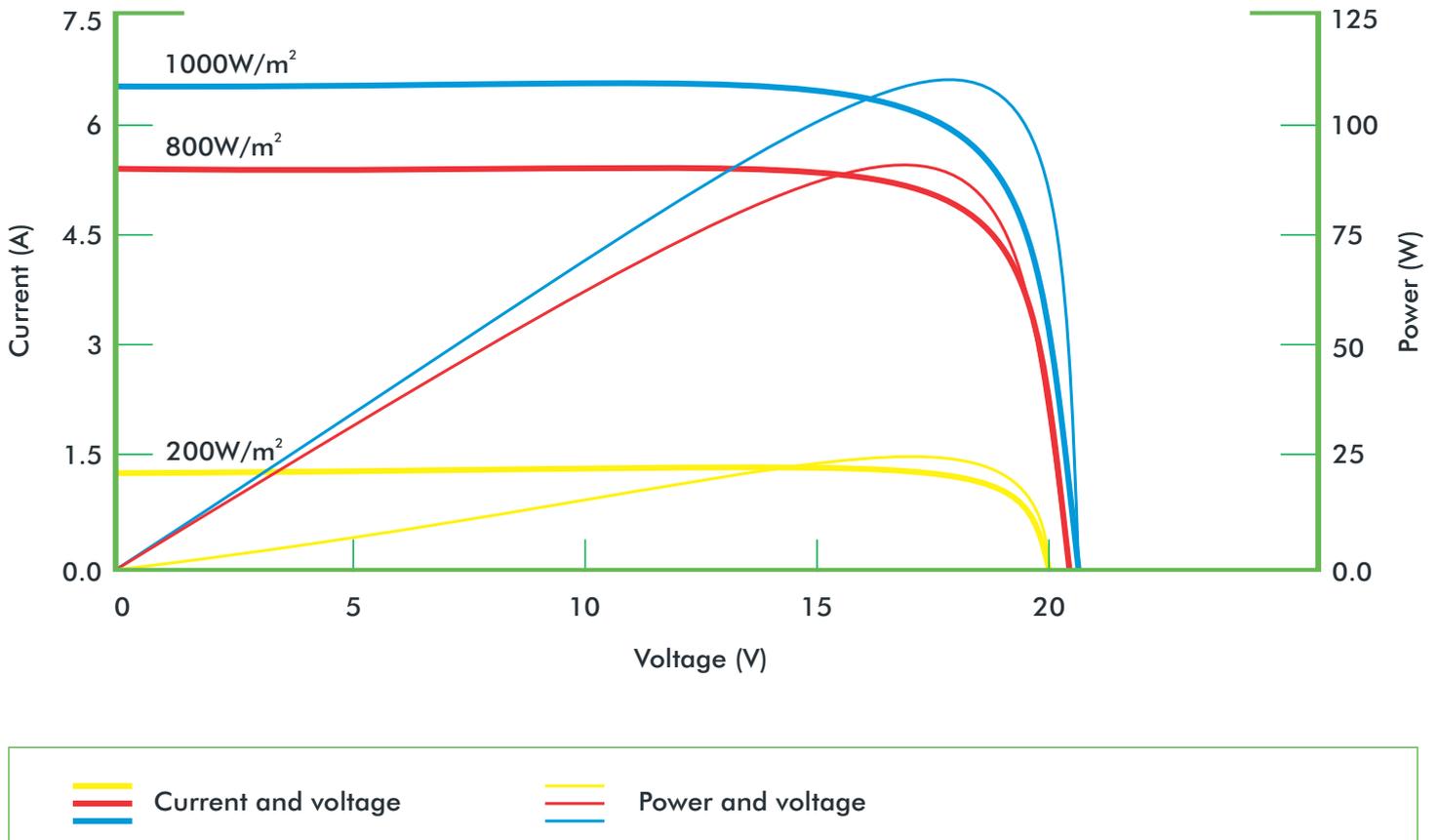
Technical specifications

| Type Of Module | 100W |
|------------------------|-----------------------|
| Maximum Power | 100W |
| Tolerance | ± 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