



## 40w Solar Panel SP40



### Welcome to our 40W solar panel.

This panel, like the rest of our SolarGo2 rigid panels, is built to last with a strong full frame aluminium structure, A-Grade solar cells, a tough low iron, high light transmission glass front and 5 metres of high-end 2.5mm<sup>2</sup> UV stable DC cable making sure you get the best transmission of power from your panel to your controller.

Designed to last in an outside environment for years to come whether it's on top of stables, a caravan, a motorhome or even a boat out at sea. We also give you a 20-year cell warranty\* and a 10-year product warranty\*\* as standard on our rigid solar panel range giving you real peace of mind with your SolarGo2 solar panel.

The 40W panel is ideal for small off grid projects from providing power for a stable lighting project, keeping a battery topped up in a caravan or boat to running lights on building signage and keeping telemetrics systems working along the roadside.

The SolarGo2 40W panel is designed to be outside and work in all weather conditions, providing you with variable amounts of power throughout the year depending on the weather conditions and the time of year.

As an example, we would say it will give you an average of around 12Ah (240Wh) per day in the summer in the UK and 1.6Ah (32Wh) per day in the winter. This panel will require a charge controller if being connected to a 12v battery.

\*The 20-year cell warranty is based on the cells producing over 80% of the original power in year 20.

\*\*The 10-year product warranty is for any manufacturing defects. Any accidental damage etc is not covered.



## Technical Specification

### Electrical Characteristics

Type	Monocrystalline (A grade 158.75mm High efficiency)
Peak power (pmax)	40Wp
Power tolerance range(%)	±3%
Open Circuit voltage (VOC)	23.76v DC
Max. power voltage (VMP)	19.8v DC
Short circuit current (ISC)	2.18A
Max power current (IMP)	2.02A
Max system voltage	1000v DC

### Panel info

Part number	SP40
Power	40Wp
Cable type	2.5mm twin core red/black (UV stable)
Cable length	5M
Frame material	Aluminium
Face Material	High light transmission, low iron glass 3.2mm
Dimensions	680 x 350 x 35mm

### Performance UK weather (weather dependant)

Average expected winter	1.6Ah (32Wh) per day (ie x 0.8)
Average expected summer	12Ah (240Wh) per day (ie x 6h)

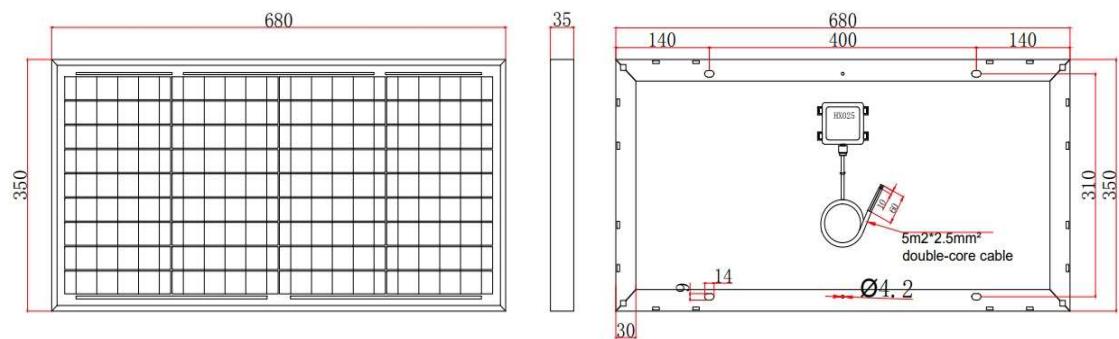
### Warranty

Performance of cells	20 years (at 80% of day 1 performance)
Product construction	10 Year



Above Specification at standard test conditions (STC): 1000W/m<sup>2</sup>, Cell temperature 25°C, AM 1.5

## Drawing



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