



ENGLISH

Datasheet

RS Pro Solar Panel

Stock No: 914-8445



Product Details

RS PV Logic Flexi Solar Panel

The PV Logic Flexi is well suited for use where a super robust, low profile and lightweight panel is needed, or the substrate to which the panel will be fixed has a slight curve. Ideal for marine buoys, boat decks, camper vans etc.

- Self-healing top surface
- Completely waterproof
- Cells protected from hot spots
- Superior design: No square edges
- Easy fix

Each panel is assembled to ensure complete encapsulation. This ensures the 6 layer heavy duty laminate protects the solar cell circuit from extreme conditions. The junction box is also injected with special silicon, guaranteeing no water ingress

Note

All of our semi flexible panels will only bend from the top (has the cable and logos) to the bottom a maximum of 10% of panel length.

Bending the panel greater than this or trying to bend the panel from left to right will possibly damage the panel and also invalidate your warranty

Solar Panels and Chargers

Solar "photovoltaic" panels use the power of the sun to generate electricity and can be used in a variety of applications from calculators to homes. They are most effective, versatile and cost saving in many commercial and leisure applications for charging 12/24V batteries.

Solar panels provide power through batteries at off grid and isolated locations and are widely used in critical telecommunications and telemetry applications. Solar panels enable rapid installation of equipment at remote sites, either temporary or permanent, avoiding the costs and inconvenience of grid connection. They are designed for very low maintenance and longevity.

How Much power?

The daily power production of a solar panel can be calculated by multiplying the panel's peak power rating by between 0.5 and 6 depending on the time of year, angle and location. For example; an 80Watt solar panel produces a peak current of 4.55A.

In summer, placed flat it can produce between 20 - 27Ah per day. In winter, at 60° angle South facing it can produce between 4.55-9.1Ah per day.

Solar Installation

Solar panels are usually installed at a 55-65° angle for optimal wintertime performance. For a year round power supply solar panels can be combined with Windchargers.

Solar panels can be connected in parallel to increase power and in series to increase voltage.

To complete the system deep cycle batteries, a voltage regulator and electrical cables are required to get up and running. A range of convenient mounting kits are available for pole or wall mounting

Grid Connect Kits:

Solar Energy Kits to supply grid connected electricity, offsetting electricity used are available through Product Plus. These roof mount type systems start at less than 8 square metres for 1kW.