

Solar for Telecommunications



For three decades RFI has been serving the needs of the wireless telecommunications market. Whilst you may recognise RFI as a well known Australian manufacturer of antennas and repeater equipment, you may not be aware of the role we play in the renewable energy field.

RFI is Australia's leading distributor of solar power products representing major companies in the DC and AC markets. From individual components to full system design we have always been at the forefront in terms of product solutions. With escalating fuel costs, a global focus on green energy and improvements in technology, solar power now more than ever is being considered as an essential element for remote sites by network operators and site owners.



Solar for Telecommunications

RFI UNDERSTANDS THE CHALLENGES AND CRITICAL NATURE OF TELECOMMUNICATIONS SITE DESIGN. OUR TEAM HAVE WORKED ON SOME OF THE LARGEST INSTALLATIONS IN AUSTRALIA, FROM PROVIDING PRODUCT SOLUTIONS TO DESIGN AND CONSULTANCY SERVICES. OUR PARTNERS INCLUDE SOME OF THE WORLDS LARGEST SOLAR COMPANIES WHICH KEEPS US IN TOUCH WITH THE LATEST HARDWARE AND SOFTWARE SOLUTIONS FOR SOLAR RENEWABLE ENERGY.

RFI PROVIDE HARDWARE AND SOFTWARE SERVICES FOR TOTAL SYSTEM SOLUTIONS INCLUDING:

- Solar Modules from 5W to 280W built tough to withstand exposure to the elements
- Solar Regulators with downloadable software for remote monitoring
- Deep cycle batteries complete with racking and link sets
- Inverters for stand alone or grid connected systems
- Monitoring options from on-site capabilities to visualization on the internet
- System sizing software to assist in your site planning
- Mounting hardware for pole, roof or flat mounting, built for extreme conditions
- Support – prompt, expert advice only a phone call away and as close as your local RFI office



Australia's leading distributor of solar power products



Solar Modules

RFI now offers BP Solar and Suntech solar modules for further flexibility when designing standalone, hybrid or grid connected solar power solutions. Two of the worlds most reputable brands covering the most popular technologies, and compliance with the latest global standards.

The BP solar range is a proven brand with a rich and successful history in the Australian market. Proven technology utilised across many local and global telecoms installations, the BP Solar range offers polycrystalline and monocrystalline solar modules, as well as design tools developed over many years for simplicity in sizing.

Suntech are the worlds largest manufacturer of PV modules, with models from 5W to 280W in polycrystalline and monocrystalline as well as building integrated solutions. Their technology provides an excellent choice for telecommunications sites with high efficiency, superior conversion rate and exceptional low light performance.

Both BP Solar and Suntech modules are offered with a 25 year warranty.

Charge Controllers

The charge controller or regulator prevents overcharge which results in out-gassing of the batteries as well as keeping electrical storage in the batteries from discharging to the solar modules at night.

RFI offer a range of charge controllers to offer the right product for exactly the right application. Many of the controllers are intelligent regulators that will switch power on and off automatically and display battery voltage and charge remotely providing unparalleled information about the system. Our range of controllers is built to protect against lightning surges and the harsh operating temperatures common to remote applications. We offer charge controllers from Plasmatronics, Morningstar and Steca – three of the most recognised names in the global solar market.

Batteries

For remote telecommunication needs we offer the proven Concorde SunXtender range of batteries specifically developed for renewable energy applications or Century Yuasa gel cells complete with rack, link sets and plinth.

Mounting Structures

RFI offers mounting structures for various roof, pole or ground mount solutions. We can advise on the most suitable mounting structure for your application including customised solutions where necessary.

Inverters

RFI offers inverters for a variety of standalone or grid connect applications including SMA from Germany and Latronics from Australia.

Design

RFI has the experience that makes all the difference when designing to your site's requirements. Not only does our team have over 200 years of combined experience in the local solar industry but we have been involved in the global telecommunications market since 1979. We understand the unique and demanding requirements that come with designing and operating large and often remote networks.

**For a One-Stop-Shop for your
Remote Communications Site –
look no further than RFI
Call 1300 000 RFI.**



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