

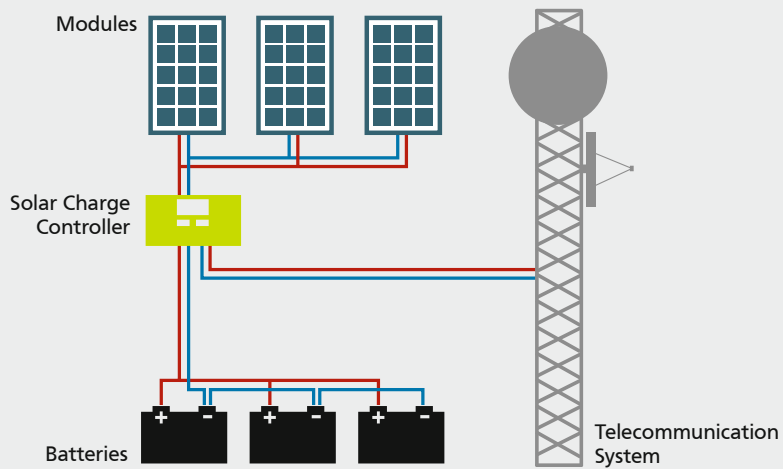
Fact Sheet
Photovoltaic Telecom Systems



Off-Grid Telecom System

How does it work?

Whenever you need a reliable power supply for a remote telecommunication installation the solution is solar. Electricity can be generated from the sun's energy wherever the sun is shining. Inaccessible sites where it is extremely expensive or impossible to connect to the grid can be powered. Off-Grid Telecommunication PV Systems consist of solar modules, charge controller and storage batteries to power the telecom DC loads for 24 hours a day all over the year.



The Solution for Telecom Providers

The Off-Grid Experts

Solar Photovoltaic (PV) energy is a key to cost effective Off-Grid power systems. Phaesun are most renowned international experts for Off-Grid PV systems. This also includes the powering of Off-Grid telecommunication systems. Phaesun's in-depth understanding of these systems makes us your valued partner for the provision of solar powered telecom systems. Our Off-Grid PV technical teams are extensively experienced experts with expertise in designing tailor-made Off-Grid PV systems for remote areas. The Phaesun product range especially focuses on the electrification of rural areas and includes products of the worlds leading and most innovative manufacturers for Off-Grid PV components.

Benefits

- Up-front purchase of 25 years of fuel guarding against price and availability fluctuations (25 year power warranty on the solar array)
- Avoids the need to regularly transport bulky and heavy fuel to inaccessible remote locations
- Vastly reduced running and O&M costs
- Unmanned automatic operation
- Energy available on demand, not dependent upon generator starting and stopping
- Can be installed in conjunction with a wind or diesel generator as a hybrid system
- Modular and scaleable systems to suit load characteristics
- Environmental benefits (clean and silent)

Possibilities

The ability to provide continuous power in any environment makes solar systems perfect for telecommunication systems of any size and any type. From remote data management or microwave relay stations up to radio or television transmitters, Off-Grid PV systems are the best long term solution with the best cost-performance ratio. The solar systems can be designed for brief intermittent use as well as for long term power supply of a television station day and night.

Expandability and flexibility

Solar systems are modular and can be designed according to the required amount of power. If the requirements increase, the solar system can be easily expanded to meet the higher demand. The systems can be designed for existing or new installations. Furthermore, the systems can be created to work automatically in hybrid configurations with other power supplies such as wind, generator or mains power.

Quality

Due to our high-quality manufacturers of solar modules, electronics, batteries and installation materials, we can offer you a solar power system that meets the highest quality requirements. This guarantees the highest reliability of the system and the telecom application. Due to the expertise and experience of our team, we are able to support you both in terms of project planning, system design and all technical and project management aspects.



