

## Solar Power Systems

The world is going green or at least talking about going green. Climate change is the topic of our time fueled by increasing frequency of floods and forest fires. Human activity is to blame for creating such havoc by releasing green gases in the air. Burning of fossil fuel to generate electricity and use of cars are to blame. The world is doomed if nothing is done to curtail or reduce emission of greenhouse gases. Countries as we know them now, will probably be under water as polar ice caps melt. Solution is to reduce greenhouse gases whilst continuing development.



One of the solution is to generate electricity from abundant supply of sun light. Solar panels can be placed anywhere on the planet and as long as there is sunshine, there will be power.

Spectrum Communications, in conjunction with Investors and Solar Systems Suppliers can provide a complete solar system for industrial customers and Independent Power Producers.

For the Industrial and high capacity users the options are On-Grid or Off Grid System. The system can be solar panels only for supplying daytime power or solar panels with battery storage to increase autonomy during the night or cloudy days. Depending on country regulations it may be possible to feed excess generated power into the grid.

For the Independent Power Producers, the main aim is to feed generated power into the national grid system. In this manner power distribution is done a transmission via existing power companies.



Application	Benefits
<b>CLEAN ENERGY</b>	
➤ <b>Store the sun's power when it shines and for when it doesn't</b>	➤ Maximize clean energy production
➤ On-site solar plant and energy storage	➤ Increase power reliability
➤ Fully managed operations & maintenance and 24/7 monitoring	➤ Lower carbon footprint

Application	Benefits
<b>24/7 ENERGY SERVICE</b>	
<b>Generate and control independent power for your off-grid facility</b>	Increase power reliability
➤ On-site solar plant, energy storage and gas/diesel generators	Maximize clean energy production
➤ Fully managed operations & maintenance and 24/7 monitoring	Achieve power independence and peace of mind

Application	Benefits
<b>GRID SUPPORT +</b>	
➤ <b>Reduce power outages and unnecessary waste through on-site</b>	Reduce power outages, lower peak demand
➤ <b>energy storage</b>	Improve power quality, increase equipment lifetime
➤ Battery storage with high-capacity inverter	Maximize clean energy production

### Business and Financial Proposal

A solar agreement is a long-term contract with **performance guarantee** on your solar plant. There is **no capital expense**. You pay a monthly solar bill once the solar plant starts generating electricity.

#### BENEFITS

- Significant Savings on Electricity Bills,
- Provide No Upfront Investment
- Manage Long-Term Electricity Costs,
- Focus on Your Core Business
- Own the Solar Plant after the Agreement
- Enhance Sustainability & CSR

### 8 Steps to the future

