

SMA Off-Grid Solutions



Solar power for all – anytime and anywhere

There are still more than 1.3 billion people in the world who have no access to electricity and live far from the conveniences of modern civilization. After all, many things are dependent on an electricity supply, including clean drinking water, education, health and economic development. For many countries, a PV-supported off-grid power supply is today the most cost-effective way to set up a stable power distribution grid.

Off-grid power solutions made by SMA

SMA Off-Grid Solutions develops scalable system solutions for grid-independent electricity supply based on renewable energies. From electricity for buildings in remote regions far from the grid to supplying entire towns and islands: with Sunny Island inverters acting as grid and battery manager, with inverters for small wind power plants and fuel cell plants as well as with system and supply products, SMA offers for any energy demand the right solution. Another focus of development is decentralized, grid-tie storage solutions: as a decentralized, intermediate storage option, the

Sunny Backup system ensures a failsafe, grid-quality electricity supply. The know-how gathered through more than 30 years of development experience is reflected in every product from SMA.

Worldwide expertise

SMA Solar Technology AG is the world's market leader for PV inverters. The SMA Group is headquartered in Niestetal, near Kassel, Germany, and is represented in 19 countries on four continents. The Group employs a staff of over 5,300 worldwide. The multiple award-winning range of products includes PV inverters for PV rooftop systems, large-scale solar projects and off-grid systems. SMA is therefore able to provide ideal technical inverter solutions for all plant sizes and types. Furthermore, the range of products is supplemented by a global service network. The highly flexible production plants for PV inverters in Germany and North America have an annual capacity of approx. 11.5 GW. Since 2008, SMA has been listed on the Prime Standard of the Frankfurt Stock Exchange and also in the TecDAX index.



SMA Off-Grid Portfolio



SUNNY ISLAND
Battery inverters ranging from 2 up to 8 kW



SUNNY ISLAND Multicluster Technology
Clustering up to 300 kW



SUNNY BACKUP
Grid connected backup power supply up to 100 kW



SUNNY BOY / SUNNY MINI CENTRAL / SUNNY TRIPower
Photovoltaic inverters
240 W up to 20 kW



WINDY BOY
Wind energy inverters
1 kW up to 50 kW



SUNNY WEBBOX
Communication and remote control equipment



SMA Off-Grid Configurator
Design and simulation program for off-grid systems.



System Design, Advice and Support
Recommendations by SMA experts



Commissioning Assistance
Provided by our own technicians, including training of the users



SMA Solar Academy
Training, Seminars and Workshops
German and English

System Examples

