Program

Off-Grid Power Workshop at INTERSOLAR EUROPE 2022

Introducing this year's Off-Grid Power Workshop - Meet the practitioners

With high-efficient solar technology, Off-Grid power is one silver bullet for electrifying rural areas and alleviating poverty. At Intersolar Europe, you can learn about the latest trends on future markets, technological solutions and smart applications and technology in the Off-Grid sector. The German Solar Association (BSW-Solar) and its partners Alliance for Rural Electrification (ARE) and Intersolar Europe invite you to this year's Off-Grid Power Conference on 12th May 2022 in Munich. The conference is the opportunity for manufacturers, system integrators and project developers to meet high-ranking delegations, policy makers, investors and the international press by taking part in the Off-Grid Power Workshop. The Off-Grid Power Workshop 2022 is supported by the German Federal Ministry for Economic Cooperation and Development (BMZ) and will take place in exhibition conference room B.11 (second floor above Hall B1) in a one-day program. Participation is for free. You only need an Exhibition Ticket.

Program overview

Opening Session

May 12th 2022 | 09:30am–10:00am

- **Welcome and introduction:** David Wedepohl, Managing Director, German Solar Association (BSW-Solar) & David Lecoque, Managing Director, Alliance for Rural Electrification (ARE)
- **Keynote speech:** Federal Ministry for Economic Development and Development (BMZ)
- **Keynote and short market overview:** GOGLA

Session 1: Sustainable business model for off-grid renewables in the Energy, Water and Food Nexus

May 12th 2022 | 10:00am–11:30am

In the last decade, the interrelation of water, energy and food has been identified as a core element of sustainable development, with rapidly growing demand for finite resources.

Increasing demand for energy, water and food calls for smart innovations which can match the demand vs supply gap. Ensuring efficient use of energy and water is vital, particularly in key high-consumption sectors such as pumping, water treatment & irrigation, food production and processing.

In this session, speakers with first-hand experience of international projects will discuss the cost trends in new technologies, examine progress made to date, and highlight areas where energy, food and water solutions can combine to maximum effect and to enable sustainable models for off-grid renewable energy projects.

Session 2: Agri-PV solutions to boost rural productivity

May 12th 2022 | 12:00pm–01:30pm

Agri-PV is considered to be particularly land-efficient, as PV modules are mounted on agricultural land at a greater height or in space-saving rows with vertical modules. This means that farming can continue on the land and the productivity of the area can be increased to over 160 percent, since both agriculture and the PV system still generate around 80 percent of the yield they would if the land were used alone. What's more, Agri-PV can be used to shade crops or protect them from hail and heavy rain, thus mitigating the effects of climate change. However, this technology is still noticeably more expensive due to additional planning- and construction-related efforts and scaling that has not yet taken place. It is also far more complex for the private user than standard solar installations are, especially in rural areas.

This session will present some innovative off-grid applications and solutions as well as business models to boost the Agri-sector productivity. The session will be followed by a moderated discussion along with audience Q&A.

Session 3: Premium hard- and software components for off-grid power systems: the backbone of sustainability

May 12th 2022 | 02:30pm–04:00pm

Innovation is a key driver of economic growth, development, as well as climate mitigation and adaptation. In emerging markets, new high quality and modular technologies, such as AI,

advanced GIS mapping, remote monitoring, new control software and systems, as well as innovative energy storage solutions help driving last-mile rural electrification with off-grid renewable energy.

This session will highlight innovations in both hard- and software components for off-grid systems as the backbone of increased efficiencies, improved sustainability and to drive down costs in the sector in the years to come.

Session 4: Training the off-grid workforce of the 21st century

May 12th 2022 | 04:30pm–06:00pm

While the ramp-up of renewable energy is already on the map, will create jobs up and down the value chain and has the potential to provide sustainable economic growth, there is an acute shortage of knowledge and skilled labor in the sector. Education of experts is essential in fighting the global climate crisis. Hence, specialists must be trained to be capable of acting competently in all the important areas of application.

The same applies for people as ongoing experts in rural, off-grid areas in low-and medium income countries that need to learn the theory and practice of project sizing and planning, quality installation and O&M of different renewable energy applications, how to create self-sufficient and sustainable communities, and much more.

This session will discuss how to fill that gap with more vocational training, efficient syllabuses, more training of trainers and the use of remote as well as on-site learning options.