

Stand-alone Systems in Theory and Practice "Fit for Off Grid PV"



Let's not recognize or predict future.
Let's create it like we need it!

- ☺ Would you also agree that **PV-Systems designed and installed without deeper knowledge and experience are a pity?**
A tremendous waste of energy and money?
- ☺ Would you agree that solar education is necessary to **avoid costly mistakes?**
- ☺ How would it feel to serve your country with endless, clean and independent solar energy with knowledge and **have success with it?**

The training is designed to empower the participants to work in the Solar Energy Sector. **This training is necessary to take the right decisions and be able to plan, buy, install and operate** infinite, clean and independent solar energy systems.



The Academy of Solar Power Education (The Academy) aims to provide you the latest and best and photovoltaic education in the world. During the last 20 years Germany was the largest PV-market worldwide, the German education about PV is world leading. The content will be presented easy to understand, interactive and with strong relation to the practice. **Experience learning with excitement and fun. It is the initial key for your success.**

The Academy has trained Universitas Sumatra (USU), Universitas Indonesia (UI); and cooperates as well as with foreign or national companies and Institutions such as AHK-EKONID, PSPA, GIZ-GPCCI.

Don't miss it, register now!



REQUIREMENTS

Knowledge about PV-systems is required. You should also know the electrical basics. The knowledge from PV-Basics course is mandatory, knowledge about design is helpful (PV-Advanced/ Design).



INSTRUCTOR

CEO/Dipl.-Ing. Environment Techniques
Authorized Expert for Photovoltaic Equipment (TÜV)

Alexander Kaub



TARGET GROUP

All successful participants of PV-Basics, entrepreneurs and their teams, installers, architects, planners, decision makers, sales specialists, government, education and

- ✓ you if you want to get your business growing fast
- ✓ you if you want to avoid costly mistakes!



COURSE FEE

Around USD 320 per participant
✓ inclusive certificate

- 5% Early Bird discount (30 days prior the event)
- 20% if you book all four PV courses!



LOCATION/DURATION

Multiple locations

Stand-alone Systems in Theory and Practice "Fit for Off Grid PV"

In 2 days, you will know about:

- 1 the principles of isolated PV systems
- 2 system analysis of DC and AC connected systems
- 3 introduction of the essential components of isolated
- 4 **Off Grid essentials:**
 - energy production
 - energy storage
 - storage management
 - load management
- 5 **the planning and design of off-grid systems based on selected examples**
 - load analysis
 - system efficiency
 - PV-Generator design
 - DC connected isolated photovoltaic systems
 - AC connected isolated photovoltaic systems
 - battery design
- 6 **practical exercises with individual and group tasks**
 - design tasks
 - battery price calculation
 - comparison of batteries
 - choose charge controller and inverter
- 7 **introduction to the conceptual world of off-grid systems**
- 8 **various applications in detail**
 - description of problems
 - presentation of various possible solutions
 - information on technical characteristics
 - planning tips
 - back up systems
 - fuel saver solutions
 - pump technology
 - lighting technology
 - solar home systems
 - „stand-alone solutions“
 - small applications
- 9 **summary and outlook**
- 10 **brief test and certificate award**



Alexander Kaub, founder and lecturer of **The Academy and inutec** is working successfully for the last 20 years in the field of solar photovoltaic (PV) energy. With his company inutec solarcenter he is a true pioneer who has taken part in all aspects of the solar market. From 2008, 2009 and 2010 his company generated every year around 18 million USD turn-over in Germany. He has impressive experience in designing, planning, installation, training, the growing solar market and operating a business. In 2013 he attended 12 seminars about the latest PV knowledge in Germany to be up to date. He is an Authorized Expert for Photovoltaic Equipment (TÜV).



BRING YOUR LAPTOP AND CHARGER!

Registration:

Online at www.TheAcademyOfSolarPowerEducation.com

e-mail: support@inutec-int.com

Venue:

