


Integrated Solar Photovoltaic (PV) System Designer (TÜV)


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 Seminar

 1 Date available

 Certificate of Completion

 Virtual learning

 40 Lessons

 Available online

Seminar Number: IDN-T2-VC

Status: 26.09.2024. All current information can be found at <https://academy-id.tuv.com/s/IDN-T2-VC>

Take this training to learn the skills necessary to design integrated solar photovoltaic (PV) systems that have been approved by the TÜV. You will acquire the skills necessary to plan and implement solar PV installations that adhere to worldwide norms. Embark on a remarkable adventure with TÜV Rheinland Indonesia and explore our renowned international training and personal certification program: **Integrated Solar Photovoltaic (PV) System Designer**.

Through this program, you will acquire the knowledge and skills to design and configure solar energy generation systems that serve the energy requirements of remote areas and cater to primary energy needs.

Don't let this extraordinary opportunity slip through your fingers. Embrace the distinguished benchmarks of IEC 60364-7-712 and IEC 62446 by joining forces with TÜV Rheinland Indonesia. Unleash your true potential today!

Benefits

- The principles of Photovoltaic (PV) System, Standard IEC 60364-7-712 and IEC 62446
- The principles of PV Plant Design
- The economic evaluation of PV design
- The basic ability to design and to configure PV components for Low
- Voltage on-grid and off-grid system
- Calculate PV system sizing for ongrid and off-grid

Target group

- Professional

- Minimum high school or technical high school educational background.

Requirements

- Minimum high school or technical high school educational background.
- Higher degree of education in engineering or knowledge as a technician (e.g. mechanic, electrician, instrumentation), engineer, and/or practical experience in the installation, maintenance and sale of PV equipment are recommended.
- Admission to the examination is granted upon a minimum attendance of 90% of the training programme.

Training outline

Day 1 - 4

- Introduction to the basic concept of photovoltaic system
- Introduction to market situation
- Introduction to the concept of plants connected to the power grid
- Development from Solar cell to the module and the PV Plant electrical basics - current, voltage, electric power
- Module technologies and characteristic values
- Plant design 1: The roof, system static and building static documentation and strategy module orientation and inclination ·
- Plan design 2: Shading analysis, Module selection, investor selection, and design mounting system, processing plant calculation and cost
- Economic evaluation cost and benefit analysis
- Issue on remote / off grid plant
- Battery technology for the Hybrid plant

Day 6 - 7

- Power plant design: design simulation using PVSyst
- Financial analysis: economic feasibility study using PVSyst
- Microgrid reliability : microgrid design simulation
- Electrical protection: electrical network protection coordination
- Written test : - Power plant design for on-grid - Power plant design for off-grid - Microgrid - Economic feasibility study

Other information

Virtual Training / Online Classroom Terms and Conditions:

1. Laws and Regulations: The training follows applicable laws of the country.
2. Equipment and Internet: Participants need a reliable device and internet.
3. Attendance and Participation: Participants must attend all sessions and actively participate.
4. Cancellation or Rescheduling: The company may cancel or reschedule with notice.
5. Conduct: Professional and respectful behavior is expected.
6. Intellectual Property: Training materials cannot be shared or reproduced without permission.
7. Recording: Participants need prior consent to record sessions.
8. Feedback and Evaluation: Feedback may be used for improvement with consent.
9. Payment and Refunds: Full payment is required, refunds granted per policy.
10. Agreement: By registering, participants agree to these terms and conditions.

Event overview and booking

Book your desired date now directly online at <https://academy-id.tuv.com/s/IDN-T2-VC> and benefit from these advantages:

- Fast booking process
- Personal customer account
- Simultaneous booking for several participants.

Alternatively, you can use the order form to order via fax or e-mail.

Order form Page 1/3

I HEREBY BINDING REGISTRATION FOR THE FOLLOWING SEMINAR:

Integrated Solar Photovoltaic (PV) System Designer (TÜV)

Seminar Number: IDN-T2-VC

Please choose an appointment you would like to book:

- 14/10/2024 - 18/10/2024**, | Event number: IDN-T2-VC- Integrated Solar Photovoltaic (PV) System Designer (TÜV)
Rp 10.000.000,00 (Net price, plus VAT) Rp 11.100.000,00 (Gross price, including VAT)

All further information about the dates can be found at <https://academy-id.tuv.com/s/IDN-T2-VC>.

Please send us **all pages** of the form by fax or email to order the above seminar.

E-mail:
academy@idn.tuv.com

Phone: +62 21 397 04 579

Please enter your order data on the next page.

Order form Page 2/3

- I am ordering as a consumer (private customer)
- I am ordering as a company / public authority (business customer)

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Position Title / Department (optional):

Street and house number:

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City:

Your internal purchase order number:

Your Tax VAT (optional):

You can enter an internal purchase order number
(SAP number)

Your contact data

We use this data for order confirmation and invoicing.

Salutation:

First Name:

Last Name:

Email Address:

Phone number (optional):

Participant information

I will participate in the seminar myself (contact details as indicated above)

The following person is to participate in the seminar:

Complete only if you are not attending yourself, but another person is.

Salutation:

First Name:

Last Name:

Email Address:

Phone number (optional):

Date of birth (optional):

Place of birth (optional):

Payment method: Invoice

For consumers, the cancellation policy applies, which you can find under the attached terms and conditions.

I hereby accept the following general terms and conditions of the organizer (<https://academy-id.tuv.com/terms>).

Location, date

Signature

Please send us **all pages** of the form by fax or email to order the above seminar.

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