

Solar/Wind Energy Training System - eSeries

583452 (46549-E0)

FESTO

LabVolt Series

Datasheet

Mind-Sight
Lab-Volt® Multimedia eTraining System

Energy Fundamentals
- Unit Objective
- Sources of Energy
- Exercise Objective
- Sources of Energy: Discussion
- Sources of Energy: Procedure
- Conclusion
- Review Questions
- Power and Work
- Exercise Objective
- Power and Work: Discussion
- Power and Work: Procedure
- Conclusion
- Review Questions
- Measurements and Units
- Exercise Objective
- Measurements and Units: Discussion
- Measurements and Units: Procedure
- Conclusion
- Review Questions
- Unit Test
- Appendices
- Appendix A: Equipment Utilization Chart
- Appendix B: Unit Conversion Table
- Resources

Solar/Wind Energy Training System eSeries

In this unit, you will:

- explore basic forms of energy.
- identify sources of energy, and determine whether these sources are renewable or non-renewable.
- explore the process of energy conversion.
- identify common electrical measurement units, equations, and calculations.

0:19 / 0:35

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General Description

This site-license eLearning course is intended to be used in conjunction with the Solar/Wind Energy Training System, Model 46120. It contains one course, which begins with a pretest and ends with a posttest. The course includes the topics covered in the book-based content and their related hands-on exercises. Exercise procedures are presented in enhanced PDF format. Completed exercises may be printed, saved to a specific location, and submitted (emailed) to the instructor. Exercise presentation of technical content is accompanied by voiceover narration to minimize the amount of on-screen reading.

The following learning platforms are available:

- 46549-E: Solar/Wind Energy Training System - eSeries
- 46549-F : Solar/Wind Energy Training System - SCORM
- 46549-G: Solar/Wind Energy Training System - Stand-Alone

An additional eLearning course is available for use in conjunction with the Grid-Tied Systems Simulation Software, Model 46120-A. The software expands on the knowledge acquired about solar and wind energy, and enables students to simulate the connection of the system to the ac power network, forming a grid-tied system. The following learning platforms are available.

- 46549-1: Grid-Tied Systems for Simulation Software - eSeries
- 46549-2: Grid-Tied Systems for Simulation Software - SCORM
- 46549-3: Grid-Tied Systems for Simulation Software - Stand-Alone

Finally, it is possible to combine the Grid-Tied Systems eLearning course with the Grid-Tied Systems Simulation Software into a single bundle. The following variants are available:

- 46549-J: Grid-Tied Systems with Simulation Software - eSeries
- 46549-K: Grid-Tied Systems with Simulation Software - SCORM
- 46549-L: Grid-Tied Systems with Simulation Software - Stand-Alone

Topic Coverage

- Energy Fundamentals
- Trainer Familiarization and Safety
- Solar Module
- Wind Turbine
- Solar Wind Systems
- Going Green

Specifications

Parameter	Value
Computer Requirements	A currently available personal computer running under one of the following operating systems: Windows® 7 or Windows® 8.

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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