PEES Power Systems

Smart Microgrid Training Course

Overview

Master microgrid planning using HOMER and power management tools through courses on edX, Udemy, and EMMA, covering both AC/DC systems and real-world applications. Explore power quality challenges in microgrids, focusing on voltage harmonics and unbalance. Design and optimize distributed energy systems integrating solar, storage, and renewable sources for resilient power solutions. Explore. The IEEE Academy on Smart Grid takes existing material about this key subject of interest and combines it with newly developed materials so the learner is guided through a logical continuous path that better ties the concepts and materials together. Microgrid technology is an advanced technology developed in recent years as a critical competence of traditional power networks with reliable and efficient. Certified Microgrid Engineer (CMIE): Learn to architect resilient microgrids from requirements through protection coordination, DER integration, and control strategies.

Smart Microgrid Training Course

IEEE Academy on Smart Grid

Microgrids are considered a critical and enabling link in the transition from bulk power systems to smart distributed grids. This learning path will cover the fundamental elements of microgrid definitions, ...

Best Online Smart Grids Courses and Programs , edX

Explore online smart grid courses and more. Develop new skills to advance your career with edX.

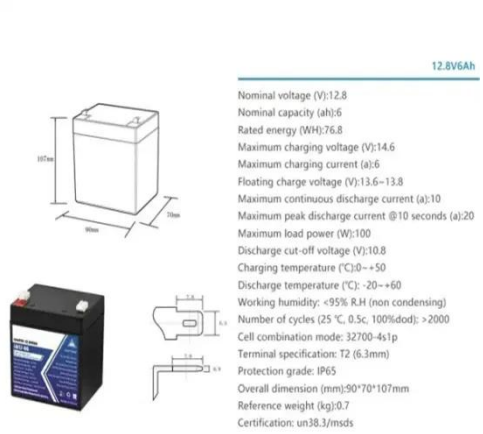
10+ Microgrids Online Courses for 2026

Master microgrid planning using HOMER and power management tools through courses on edX, Udemy, and EMMA, covering both AC/DC systems and real-world applications. Explore power ...

Microgrid Systems: Integrating

Renewables, Storage, and Control

This course presents the state of the art in power electronics of inverter-based resources that allow an advanced, flexible and economic operation of the microgrid.



Microgrid Certification Training Online and Onsite

Microgrid Certification Training Hands-on (Online, Onsite, and Classroom Live) 4 Days, 7-8 hours a day. Microgrid Certification Training curriculum is a leading-edge certification and relevant to what is ...

Best Smart Grid Courses & Certificates [2026] , Coursera

Smart Grid courses can help you learn energy management, demand response strategies, and renewable energy integration. Compare course options to find what fits your goals. Enroll for free.

Certified Microgrid Engineer (CMIE)

Tonex offers Certified Microgrid Engineer, a 2-day course where

participants master the fundamentals of microgrid design, including grid integration and load management.

Microgrid Overview Training

This engaging course provides a comprehensive introduction to electric utility microgrids, covering their fundamentals, benefits, applications, configurations, real-world examples, challenges, policies, ...

Fundamentals of Microgrids

This course provides a comprehensive introduction to the fundamentals and specifics of microgrids. Participants will explore benefits, applications, configurations, challenges, policies, and funding ...

Certified Microgrid Engineer (CMIE) from Tonex, Inc. , NICCS

Certified Microgrid Engineer (CMIE): This certification course covers the technical aspects of designing, operating, and

managing microgrids. Learn to optimize energy distribution and ...

Contact Us

For catalog requests, pricing, or partnerships, please visit: https://peregrine-energy.co.za