

Espay Solar Energy S.L.

Smart Microgrid Technology 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. You can build skills in grid optimization, data analytics for energy consumption, and real-time monitoring of electrical systems. Many courses introduce tools such as SCADA. Smart grids are advanced electricity distribution systems that leverage digital technology to enhance the efficiency, reliability, and sustainability of energy delivery. 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.

Smart Microgrid Technology Course



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.

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 ...



Professional Certificate in Microgrid Systems: Advance Your Career

This comprehensive course delves into key topics such as microgrid design, integration of renewable energy sources, energy storage systems, and grid resilience.

Certified Microgrid Specialist (CMIS) from Tonex, Inc. , NICCS

Certified Microgrid Specialist (CMIS):
Specialize in microgrid technologies with
this advanced certification. Learn the
intricacies of microgrid design, control,
and integration with renewable energy ...



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, ...

Microgrid Certification Training Online and Onsite

The second part of the Microgrid
Certification Training, Microgrid
certificate training focuses on the
operation and control of microgrids from
basic traditional approaches to the
advanced hierarchical ...



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 , Explore Free Courses

Explore algorithms, methodologies, and tools for solving real-world energy management problems in microgrids and smart grids. Explore microgrid modeling, three-phase circuits, and power system

...



Microgrid Core Knowledge , CareerCatalyst

Whether you're new to the energy industry or looking to expand your technical understanding, this course guides you through core electrical concepts, infrastructure, policy, and microgrid applications.

Certified Microgrid Engineer (CMIE)

Certified Microgrid Engineer (CMIE) Certification is a 2-day course where participants master the fundamentals of

microgrid design, including grid integration and load management as well as learn ...



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