

HalfMoon Education Live Continuing Education Seminar and Webinar

Solar with Energy Storage Systems for Residential and Commercial Buildings in New England

Manchester, NH or Live Online - Friday, November 18, 2022 | 8:30 am - 4:30 pm EST

Credits:

Professional Engineers: 6.5 PDHs

Architects: 6.5 HSW CE Hours AIA: 6.5 LU/HSW

International Code Council: .65 CEUs (Energy)

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AIA
Continuing
Education
Provider



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Different types of Solar systems compatible with Energy Storage

String inverter systems	Grid tied with backup
Hybrid grid tied with backup	
Off grid or backup only	Microinverter systems
Battery backup only	Smart switch and microgrid
Intelligent load panels	

Battery Types for Storage

Existing battery technologies	
Lead acid	AGM
Lithium	Carbon
Flow battery	NaS thermal battery
Fuel cell	Future battery technology

Sizing a battery system

- Determining average loads
- AH, KWH, AC, DC - this is all so confusing!
- Determining power factor and losses
- Sizing the storage

Storage Marketplace in the US

- Sales growth
- Average costs
 - How to calculate rough cost
 - What usage range is each technology best suited to
 - Is there an ROI for storage systems?
- State and federal incentives

Code Requirements

- Rapid shutdown
- Labeling
- NFPA requirements
- Maintenance and inspections

Live Seminar Location:

Homewood Suites by Hilton Manchester/Airport
1000 Perimeter Road, Manchester, NH 03103
(603) 668-2200

Online Webinar Information:

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For system requirements, please visit the FAQ section of our website, or visit www.gotowebinar.com.

Presented by

Chris Milner *Univix Power Solutions*

Mr. Milner received a degree in Electrical Engineering from New Hampshire Technical College and the University of New Hampshire in 1991. From 1992-2018 Chris and his company were the leading off-grid solar installers in New England with thousands of installs. In 2018 Mr. Milner closed the installation business to begin Univix Power Solutions, an energy storage manufacturer located in Laconia New Hampshire. Univix has developed a line of backup systems for residential and commercial applications, with dealers coast to coast, and has a custom division that builds commercial energy storage for everyone from the USGS to data and telecom centers.

Tuition

- \$319** for individual registration
- \$289** for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

Learn More and Register:

www.halfmoonseminars.org
Customer Service (715) 835-5900 Ext. 1

or scan here



Credit Information

This seminar and webcast are open to the public and are designed to qualify for 6.5 PDHs for professional engineers and 6.5 HSW continuing education hours for licensed architects in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU/HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Energy (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See details online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.