

# Microgrid Policy in 2025



## Overview

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The report discusses three trends in grid modernization actions taken in Q2 2025: (1) states mandating procurement of energy storage, (2) lawmakers implementing rules governing microgrid deployment, and (3) states integrating technology requirements into distribution and. The report discusses three trends in grid modernization actions taken in Q2 2025: (1) states mandating procurement of energy storage, (2) lawmakers implementing rules governing microgrid deployment, and (3) states integrating technology requirements into distribution and. Raleigh, NC - (J) The NC Clean Energy Technology Center (NCCETC) released its Q2 2025 edition of The 50 States of Grid Modernization. The quarterly series provides insights on state regulatory and legislative discussions and actions on grid modernization, utility business model and rate. The 50 States of Grid Modernization quarterly report from NC Clean Energy Technology Center identified policy trends related to grid modernization across the 2025 legislative session. A composite image assembled from data acquired by the Suomi NPP satellite. Image: Robert Simmon, NASA Earth. To lead, innovate, and capture new growth in the evolving energy market, businesses must act on these top 10 strategic imperatives for microgrids in 2025. Three Strategic Imperatives Transforming the Microgrid Landscape The global energy mix is rapidly shifting from centralized power plants to. SEPA convened industry stakeholders at RE+ Microgrids to discuss advancing microgrid deployment in the United States. Participants identified utility perception and regulatory misalignment as. As car dealerships add electric vehicle charging, solar microgrids can help cut utility bills by up to 90%. Charging infrastructure developers can take advantage of the energy. These Carbon-Free Technologies Still Get the ITC.

## Microgrid Policy in 2025



### States see widespread policy efforts to overcome grid issues

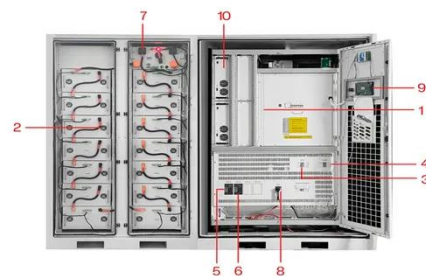
The 50 States of Grid Modernization quarterly report from NC Clean Energy Technology Center identified policy trends related to grid modernization across the 2025 legislative session.

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### The 50 States of Grid Modernization Q2 2025: States Pursue Rules for

The report discusses three trends in grid modernization actions taken in Q2 2025: (1) states mandating procurement of energy storage, (2) lawmakers implementing rules governing ...

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- 1 PCS Module
- 2 Battery room
- 3 Grid side circuit breaker
- 4 Load side circuit breaker
- 5 OPV1 side circuit breaker
- 6 OPV2 side circuit breaker
- 7 High Volt Box
- 8 BAT side circuit breaker
- 9 LCD display screen
- 10 MPPT

Nominal Capacity  
**280Ah**  
Nominal Energy  
**50kW/100kWh**  
IP Grade  
**IP54**



### Small Systems, Big Impact: Microgrids and the Next Era of Energy

In response to this growing uncertainty, microgrids are gaining attention as a practical way to strengthen energy security and improve grid flexibility. At its core, a microgrid is a localized energy ...

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## Microgrids 2025: Top Trends and Growth Opportunities

Download the complete analysis of the top 10 strategic imperatives in microgrids for 2025 to access deeper insights, market trends, and actionable strategies. Stay ahead of the curve and ...

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 LFP 12V 200Ah

## Microgrids Industry Update: RE+ Microgrids 2025 , SEPA

SEPA Microgrids Industry Update: RE+ Microgrids 2025. This briefing summarizes insights from that workshop on advancing microgrid deployment across the United States.

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## Key microgrid trends impacting the new energy landscape

Read about the transformative trends underscoring how microgrids are driving the New Energy Landscape in 2025.

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## Microgrids spread across US as Big Tech, utilities shore up power

November 3 - Microgrids are being developed across the U.S. as new data centers drive up power demand and companies and communities seek

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reliable power supplies and protection against ...

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## Cataloging US state policy patterns towards microgrid deployment

One of these solutions is microgrids that can disconnect from the grid and offer grid resilience during an outage. While this technology is still finding its footing in the industry, states ...



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## US Microgrid Market Analysis

The most successful microgrid projects leverage multiple value streams and align with broader policy goals related to resilience, sustainability, and economic development.

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