

# **North America Microgrid Market Report by Energy Source (Natural Gas, Combined Heat and Power, Solar Photovoltaic (PV), Diesel, Fuel Cell, and Others), Application (Remote Systems, Institution and Campus, Utility/Community, Defense, and Others), and Country 2024-2032**

<https://marketpublishers.com/r/NCB0CF26813AEN.html>

Date: July 2024

Pages: 123

Price: US\$ 3,699.00 (Single User License)

ID: NCB0CF26813AEN

## **Abstracts**

The North America microgrid market size reached US\$ 13.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 33.7 Billion by 2032, exhibiting a growth rate (CAGR) of 10.4% during 2024-2032.

A microgrid refers to a distinct energy system consisting of interconnected loads and distributed energy resources that operate parallelly, or independently from the main power grid. Similar to contemporary electrical grid, a microgrid consists of power generation system, distribution system, and controls, such as voltage regulation and switch gears. It provides power backup for the grid in case of emergencies and is cost-effective. Additionally, it performs dynamic control over energy sources by enabling autonomous and automatic self-healing operations. Some of the other benefits offered by a microgrid include enhancing reliability, reducing greenhouse gas (GHG) emissions, and lowering stress on the transmission and distribution system. As a result, it provides local, reliable, and affordable energy security for urban and rural communities as well as offer solutions for commercial, industrial and federal government consumers.

The North America microgrid market is currently being driven by several factors. The escalating demand for microgrid is based on the availability of reliable, stable and affordable power. Moreover, the usage of microgrid in defense and remote areas to enhance security against cyberattacks and threat of grid outages have also increased

its demand in the region. Apart from this, several government initiatives are being implemented to provide energy-efficient power solutions. Additionally, rising environmental concerns and technological innovations will continue to spur the microgrid market growth in the coming years.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the North America microgrid market report, along with forecasts at the regional and country level from 2024-2032. Our report has categorized the market based on energy source and application.

#### Key Regions Analysed

United States

Canada

#### Analysis for Each Country

#### Market by Energy Source

Natural Gas

Combined Heat and Power

Solar Photovoltaic (PV)

Diesel

Fuel Cell

Others

#### Market by Application

Remote Systems

Institution and Campus

Utility/Community

Defense

Others

#### Value Chain Analysis

Key Drivers and Challenges

Porters Five Forces Analysis

Competitive Landscape

Competitive Structure

Key Player Profiles

### Key Questions Answered in This Report:

How has the North America microgrid market performed so far and how will it perform in the coming years?

What are the key regions in the North America microgrid market?

What has been the impact of COVID-19 on the North America microgrid market?

What is the breakup of the North America microgrid market on the basis of energy source?

What is the breakup of the North America microgrid market on the basis of application?

What are the various stages in the value chain of the North America microgrid industry?

What are the key driving factors and challenges in the North America microgrid industry?

What is the structure of the North America microgrid industry and who are the key players?

What is the degree of competition in the North America microgrid industry?

What are the profit margins in the North America microgrid industry?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL MICROGRID MARKET**

- 5.1 Market Performance
- 5.2 Market Breakup by Energy Source
- 5.3 Market Breakup by Application
- 5.4 Market Breakup by Region
- 5.5 Market Forecast

### **6 NORTH AMERICA MICROGRID MARKET**

- 6.1 Market Performance
- 6.2 Impact of COVID-19
- 6.3 Market Forecast

### **7 NORTH AMERICA MICROGRID MARKET: BREAKUP BY ENERGY SOURCE**

- 7.1 Natural Gas
- 7.2 Combined Heat and Power
- 7.3 Solar Photovoltaic (PV)
- 7.4 Diesel
- 7.5 Fuel Cell
- 7.6 Others

## **8 NORTH AMERICA MICROGRID MARKET: BREAKUP BY APPLICATION**

- 8.1 Remote Systems
- 8.2 Institution and Campus
- 8.3 Utility/Community
- 8.4 Defense
- 8.5 Others

## **9 NORTH AMERICA MICROGRID MARKET: BREAKUP BY COUNTRY**

- 9.1 United States
  - 9.1.1 Historical Market Trends
  - 9.1.2 Market Breakup by Energy Source
  - 9.1.3 Market Breakup by Application
  - 9.1.4 Market Forecast
- 9.2 Canada
  - 9.2.1 Historical Market Trends
  - 9.2.2 Market Breakup by Energy Source
  - 9.2.3 Market Breakup by Application
  - 9.2.4 Market Forecast

## **10 SWOT ANALYSIS**

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

- 11.1 Overview

- 11.2 Raw Material Suppliers
- 11.3 Sub-Components and Sub-Systems Manufacturers
- 11.4 Microgrid Manufacturers
- 11.5 Microgrid Control
- 11.6 Power Distribution
- 11.7 End-Use Industries

## **12 PORTER'S FIVE FORCES ANALYSIS**

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Rivalry
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

## **13 COMPETITIVE LANDSCAPE**

- 13.1 Market Structure
- 13.2 Key Players
- 13.3 Profiles of Key Players

## I would like to order

Product name: North America Microgrid Market Report by Energy Source (Natural Gas, Combined Heat and Power, Solar Photovoltaic (PV), Diesel, Fuel Cell, and Others), Application (Remote Systems, Institution and Campus, Utility/Community, Defense, and Others), and Country 2024-2032

Product link: <https://marketpublishers.com/r/NCB0CF26813AEN.html>

Price: US\$ 3,699.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NCB0CF26813AEN.html>