

Mexico Energy Storage Systems (ESS) Market Size, Share, Trends and Forecast by Technology, Application, End User, and Region, 2026-2034

<https://marketpublishers.com/r/M0F16D24A1B8EN.html>

Date: June 2026

Pages: 118

Price: US\$ 2,999.00 (Single User License)

ID: M0F16D24A1B8EN

Abstracts

The Mexico energy storage systems (ESS) market size reached USD 6.6 Billion in 2025. Looking forward, IMARC Group expects the market to reach USD 27.1 Billion by 2034, exhibiting a growth rate (CAGR) of 16.24% during 2026-2034. The market is expanding due to rising renewable integration, grid modernization efforts, and increased demand for backup power in industrial and residential sectors. Advancements in lithium-ion technology and utility-scale storage projects further support this growth. This momentum is expected to strengthen the Mexico energy storage systems (ESS) market share.

MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET TRENDS:

Shift Toward Scalable and Flexible ESS Solutions

The market is increasingly embracing scalable and versatile solutions designed to meet the dynamic needs of residential, commercial, and industrial sectors. With distributed energy resources gaining ground and solar rooftop adoption rising, energy users now demand compact, intelligent storage systems that deliver performance, reliability, and ease of integration. The trend is characterized by the shift from traditional lead-acid batteries to lithium-based systems with advanced features like real-time diagnostics, enhanced safety layers, and longer service life. These storage units are not just limited to grid-tied uses but are becoming pivotal for backup and off-grid applications across Mexico. In April 2025, Eastman Auto & Power launched its Lead Acid Replacement Lithium Battery at Renew X Chennai, along with an expanded ESS portfolio offering 2.56 to 20.48 kWh storage options. Designed with a smart Battery Management System, fast charging, and multiple mounting configurations, these units respond to the

evolving energy requirements of diverse users. The move toward smarter, modular energy storage is expected to influence the Mexican market by encouraging local adoption of similar systems, strengthening small-scale grid resilience, and supporting energy independence at the household and community level, further driving Mexico energy storage system (ESS) market growth.

Utility-Scale Projects Strengthening Grid Integration

A growing trend in Mexico's ESS market is the rise of utility-scale battery storage projects aimed at improving grid integration of renewables and increasing energy system flexibility. As the country ramps up solar and wind capacity, the need to store excess power and stabilize fluctuations during demand peaks becomes increasingly important. Grid-scale storage not only supports the reliability of renewable generation but also helps reduce curtailment and improve dispatchability. These projects are instrumental in strengthening Mexico's transmission and distribution networks and contribute directly to national climate targets by enabling more clean energy into the grid. In April 2025, Atlas Renewable Energy inaugurated its 800 MWh BESS del Desierto in Chile's Antofagasta region. Built in partnership with COPEC, the 200MW facility stores surplus solar energy for redistribution during peak demand hours. Atlas has announced plans to use this success as a reference for developing similar projects across Latin America, including Mexico. The project's scale and technical approach reflect a growing confidence in ESS as core infrastructure. For Mexico, this signals an opportunity to accelerate the deployment of large-scale BESS, particularly in solar-heavy regions, and create a more stable, responsive energy system driven by clean sources.

MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional level for 2026-2034. Our report has categorized the market based on technology, application, and end user.

Technology Insights:

Pumped Hydro

Electrochemical Storage

Electromechanical Storage

Thermal Storage

The report has provided a detailed breakup and analysis of the market based on the technology. This includes pumped hydro, electrochemical storage, electromechanical storage, and thermal storage.

Application Insights:

Stationary

Transportation

A detailed breakup and analysis of the market based on the application have also been provided in the report. This includes stationary and transportation.

End User Insights:

Residential

Non-Residential

Utilities

A detailed breakup and analysis of the market based on the end user have also been provided in the report. This includes residential, non-residential, and utilities.

Regional Insights:

Northern Mexico

Central Mexico

Southern Mexico

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Northern Mexico, Central Mexico, Southern Mexico, and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the Mexico energy storage systems (ESS) market performed so far and how will it perform in the coming years?

What is the breakup of the Mexico energy storage systems (ESS) market on the basis of technology?

What is the breakup of the Mexico energy storage systems (ESS) market on the basis of application?

What is the breakup of the Mexico energy storage systems (ESS) market on the basis of end user?

What is the breakup of the Mexico energy storage systems (ESS) market on the basis of region?

What are the various stages in the value chain of the Mexico energy storage systems (ESS) market?

What are the key driving factors and challenges in the Mexico energy storage systems (ESS) market?

What is the structure of the Mexico energy storage systems (ESS) market and who are the key players?

What is the degree of competition in the Mexico energy storage systems (ESS) market?

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 MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET - INTRODUCTION

- 4.1 Overview
- 4.2 Market Dynamics
- 4.3 Industry Trends
- 4.4 Competitive Intelligence

5 MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET LANDSCAPE

- 5.1 Historical and Current Market Trends (2020-2025)
- 5.2 Market Forecast (2026-2034)

6 MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET - BREAKUP BY TECHNOLOGY

- 6.1 Pumped Hydro
 - 6.1.1 Overview
 - 6.1.2 Historical and Current Market Trends (2020-2025)
 - 6.1.3 Market Forecast (2026-2034)
- 6.2 Electrochemical Storage
 - 6.2.1 Overview

6.2.2 Historical and Current Market Trends (2020-2025)

6.2.3 Market Forecast (2026-2034)

6.3 Electromechanical Storage

6.3.1 Overview

6.3.2 Historical and Current Market Trends (2020-2025)

6.3.3 Market Forecast (2026-2034)

6.4 Thermal Storage

6.4.1 Overview

6.4.2 Historical and Current Market Trends (2020-2025)

6.4.3 Market Forecast (2026-2034)

7 MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET - BREAKUP BY APPLICATION

7.1 Stationary

7.1.1 Overview

7.1.2 Historical and Current Market Trends (2020-2025)

7.1.3 Market Forecast (2026-2034)

7.2 Transportation

7.2.1 Overview

7.2.2 Historical and Current Market Trends (2020-2025)

7.2.3 Market Forecast (2026-2034)

8 MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET - BREAKUP BY END USER

8.1 Residential

8.1.1 Overview

8.1.2 Historical and Current Market Trends (2020-2025)

8.1.3 Market Forecast (2026-2034)

8.2 Non-Residential

8.2.1 Overview

8.2.2 Historical and Current Market Trends (2020-2025)

8.2.3 Market Forecast (2026-2034)

8.3 Utilities

8.3.1 Overview

8.3.2 Historical and Current Market Trends (2020-2025)

8.3.3 Market Forecast (2026-2034)

9 MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET – BREAKUP BY REGION

9.1 Northern Mexico

- 9.1.1 Overview
- 9.1.2 Historical and Current Market Trends (2020-2025)
- 9.1.3 Market Breakup by Technology
- 9.1.4 Market Breakup by Application
- 9.1.5 Market Breakup by End User
- 9.1.6 Key Players
- 9.1.7 Market Forecast (2026-2034)

9.2 Central Mexico

- 9.2.1 Overview
- 9.2.2 Historical and Current Market Trends (2020-2025)
- 9.2.3 Market Breakup by Technology
- 9.2.4 Market Breakup by Application
- 9.2.5 Market Breakup by End User
- 9.2.6 Key Players
- 9.2.7 Market Forecast (2026-2034)

9.3 Southern Mexico

- 9.3.1 Overview
- 9.3.2 Historical and Current Market Trends (2020-2025)
- 9.3.3 Market Breakup by Technology
- 9.3.4 Market Breakup by Application
- 9.3.5 Market Breakup by End User
- 9.3.6 Key Players
- 9.3.7 Market Forecast (2026-2034)

9.4 Others

- 9.4.1 Historical and Current Market Trends (2020-2025)
- 9.4.2 Market Forecast (2026-2034)

10 MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET – COMPETITIVE LANDSCAPE

- 10.1 Overview
- 10.2 Market Structure
- 10.3 Market Player Positioning
- 10.4 Top Winning Strategies
- 10.5 Competitive Dashboard

10.6 Company Evaluation Quadrant

11 PROFILES OF KEY PLAYERS

11.1 Company A

11.1.1 Business Overview

11.1.2 Services Offered

11.1.3 Business Strategies

11.1.4 SWOT Analysis

11.1.5 Major News and Events

11.2 Company B

11.2.1 Business Overview

11.2.2 Services Offered

11.2.3 Business Strategies

11.2.4 SWOT Analysis

11.2.5 Major News and Events

11.3 Company C

11.3.1 Business Overview

11.3.2 Services Offered

11.3.3 Business Strategies

11.3.4 SWOT Analysis

11.3.5 Major News and Events

11.4 Company D

11.4.1 Business Overview

11.4.2 Services Offered

11.4.3 Business Strategies

11.4.4 SWOT Analysis

11.4.5 Major News and Events

11.5 Company E

11.5.1 Business Overview

11.5.2 Services Offered

11.5.3 Business Strategies

11.5.4 SWOT Analysis

11.5.5 Major News and Events

12 MEXICO ENERGY STORAGE SYSTEMS (ESS) MARKET - INDUSTRY ANALYSIS

12.1 Drivers, Restraints, and Opportunities

12.1.1 Overview

12.1.2 Drivers

12.1.3 Restraints

12.1.4 Opportunities

12.2 Porters Five Forces Analysis

12.2.1 Overview

12.2.2 Bargaining Power of Buyers

12.2.3 Bargaining Power of Suppliers

12.2.4 Degree of Competition

12.2.5 Threat of New Entrants

12.2.6 Threat of Substitutes

12.3 Value Chain Analysis

13 APPENDIX

I would like to order

Product name: Mexico Energy Storage Systems (ESS) Market Size, Share, Trends and Forecast by Technology, Application, End User, and Region, 2026-2034

Product link: <https://marketpublishers.com/r/M0F16D24A1B8EN.html>

Price: US\$ 2,999.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M0F16D24A1B8EN.html>