

## Energy Storage and Smart Grid Funding and M&A

2024 - Fourth Quarter and Annual Report

**Executive Summary** 

Funding and merger & acquisition activity for the energy storage and smart grid sectors

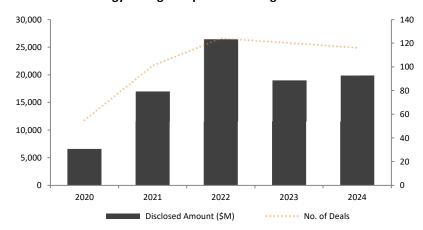
2024



ENERGY STORAGE and SMART GRID KEY FINDINGS

- In 2024, corporate funding in the Energy Storage sector came to \$19.9 billion in 116 deals, a 5% increase year-over-year (YoY) compared to \$19 billion in 120 deals in 2023.
- Venture capital (VC) funding in 2024 came to \$3.7 billion in 84 deals, a 60% decrease YoY compared to \$9.2 billion raised in 86 deals in 2023.
- Announced debt and public market financing for Energy Storage companies in 2024 came to \$16.2 billion in 32 deals, a 65% increase YoY compared to \$9.8 billion in 34 deals in 2023.





**Source: Mercom Capital Group** 

- There were 25 M&A transactions involving Energy Storage companies in 2024, compared to 15 transactions in 2023.
- Corporate funding for Smart Grid companies in 2024 came in at \$2.4 billion in 67 deals, a 27% decrease YoY compared to \$3.3 billion raised in 60 deals in 2023.
- VC funding in Smart Grid companies in 2024 was 13% higher YoY, with \$1.7 billion in 56 deals compared to \$1.5 billion raised in 47 deals in 2023.
- A total of 10 Smart Grid M&A transactions were announced in 2024, compared to 11 in 2023.



## TABLE of CONTENTS

Introduction	.4
Energy Storage	. 10
Energy Storage Key Findings	11
Energy Storage Funding and M&A Activity By Quarter	12
Energy Storage Corporate Funding	13
Energy Storage Corporate Funding By Category	15
Energy Storage VC Funding (By Quarter)	17
Energy Storage VC Funding	18
Energy Storage VC Funding By Category	20
Energy Storage VC Funding Breakdown	22
Energy Storage Top VC Funded Categories	23
Q4 2024 - Energy Storage VC Funding By Category	24
2024 - Energy Storage VC Investments By Stage	27
Energy Storage VC Investments By Average Deal Size	28
Q4 2024 - Energy Storage VC Investments By Stage	29
Energy Storage Top 5 VC Funded Deals	30
Energy Storage Top VC Investors	32
Q4 2024 - Energy Storage Top VC Funded Deals	33
Energy Storage VC Activity By Country	35
Energy Storage VC Activity (By Quarter)	37
Energy Storage VC Investor Activity	38
Q4 2024 - Energy Storage VC Investors	41
Q4 2024 - Energy Storage VC Funding Activity	46
2024 - Energy Storage Companies Funded by Oil/Gas/Utility Majors	50
Energy Storage Industry Updates	51
Energy Storage Debt and Public Market Financing (By Quarter)	55
Energy Storage Debt and Public Market Financing	56
Energy Storage Top 5 Debt and Public Market Financing Deals	57
Q4 2024 - Energy Storage Top Debt and Public Market Financing Deals	59
Energy Storage Top Debt and Public Market Financing Investors	61
Q4 2024 - Energy Storage Debt and Public Market Financing Investors.	62
Q4 2024 - Energy Storage Debt and Public Market Financing Activity	63
Energy Storage Initial Public Offering Activity	65
Select Energy Storage Companies Stock Performance	66
Announced Energy Storage Project Funding (By Quarter)	67
Announced Energy Storage Project Funding	68
Q4 2024 - Energy Storage Project Funding Investors	69
Q4 2024 - Energy Storage Project Funding Activity	72
Q4 2024 - Energy Storage Project Announcements	76
Energy Storage M&A (By Quarter)	82
Energy Storage M&A	83
Q4 2024 - Energy Storage M&A (By Category)	84



2024 - Energy Storage M&A (By Category)	85
2024 - Energy Storage Top Disclosed M&A Transactions	.86
Energy Storage Multiple Acquirers	. 87
Q4 2024 - Energy Storage M&A Activity	. 89
Energy Storage Project M&A (By Quarter)	91
Energy Storage Project M&A	. 92
Q4 2024 - Energy Storage Project M&A Activity	. 93
SMART GRID.	. 96
Smart Grid Key Findings	97
Smart Grid Funding and M&A Activity By Quarter.	98
Smart Grid Corporate Funding	99
Smart Grid VC Funding (By Quarter)	100
Smart Grid VC Funding.	. 101
Smart Grid VC Funding Breakdown	. 102
Smart Grid VC Funding By Category	. 105
Smart Grid VC Investments By Category	. 106
Q4 2024 - Smart Grid VC Investments By Category	107
2024 - Smart Grid VC Investments By Stage	. 110
Smart Grid VC Investments By Average Deal Size	. 111
Q4 2024 - Smart Grid VC Investments By Stage.	. 112
Smart Grid Top 5 VC Funded Deals	. 113
Smart Grid Top VC Investors	. 115
Q4 2024 - Smart Grid Top 5 VC Funded Activity	116
Smart Grid VC Activity by Country	. 118
Children and vo Activity by Country	
2010-2024 - Smart Grid VC Activity by Country.	119
2010-2024 - Smart Grid VC Activity by Country	120
2010-2024 - Smart Grid VC Activity by Country	120 122
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity.  Q4 2024 - Smart Grid VC Investors.	120 122 . 125
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity.  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity.	120 122 . 125 . 127
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity.  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity.  Smart Grid Industry Updates.	120 122 . 125 . 127
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity.  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity.  Smart Grid Industry Updates.  Smart Grid Debt and Public Market Financing (By Quarter).	120 122 . 125 . 127 . 128
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity.  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity.  Smart Grid Industry Updates.  Smart Grid Debt and Public Market Financing (By Quarter).  Smart Grid Debt and Public Market Financing.	120 122 . 125 . 127 . 128 129
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity.  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity.  Smart Grid Industry Updates.  Smart Grid Debt and Public Market Financing (By Quarter).  Smart Grid Debt and Public Market Financing.  Q4 2024 - Smart Grid Debt and Public Market Financing Activity.	120 125 127 128 129 130
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity.  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity.  Smart Grid Industry Updates.  Smart Grid Debt and Public Market Financing (By Quarter).  Smart Grid Debt and Public Market Financing.  Q4 2024 - Smart Grid Debt and Public Market Financing Activity.  Select Smart Grid Companies Stock Performance.	120 125 127 128 129 130 131
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity.  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity.  Smart Grid Industry Updates.  Smart Grid Debt and Public Market Financing (By Quarter).  Smart Grid Debt and Public Market Financing.  Q4 2024 - Smart Grid Debt and Public Market Financing Activity.  Select Smart Grid Companies Stock Performance.  Smart Grid M&A (By Quarter).	120 125 . 125 . 127 . 128 129 . 130 . 131 . 132
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity.  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity.  Smart Grid Industry Updates.  Smart Grid Debt and Public Market Financing (By Quarter).  Smart Grid Debt and Public Market Financing.  Q4 2024 - Smart Grid Debt and Public Market Financing Activity.  Select Smart Grid Companies Stock Performance.  Smart Grid M&A (By Quarter).  Smart Grid M&A.	120 122 125 127 128 130 131 132 133
2010-2024 - Smart Grid VC Activity by Country.  Smart Grid VC Investor Activity  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity.  Smart Grid Industry Updates.  Smart Grid Debt and Public Market Financing (By Quarter).  Smart Grid Debt and Public Market Financing.  Q4 2024 - Smart Grid Debt and Public Market Financing Activity.  Select Smart Grid Companies Stock Performance.  Smart Grid M&A (By Quarter).  Smart Grid M&A.  Smart Grid M&A By Category.	120 122 125 127 128 130 131 132 133
2010-2024 - Smart Grid VC Activity by Country  Smart Grid VC Investor Activity  Q4 2024 - Smart Grid VC Investors.  Q4 2024 - Smart Grid VC Funding Activity  Smart Grid Industry Updates  Smart Grid Debt and Public Market Financing (By Quarter)  Smart Grid Debt and Public Market Financing  Q4 2024 - Smart Grid Debt and Public Market Financing Activity  Select Smart Grid Companies Stock Performance  Smart Grid M&A (By Quarter)  Smart Grid M&A  Smart Grid M&A By Category  Smart Grid Multiple Acquirers	120 125 125 128 129 130 131 132 135 136



A total of **264** companies and investors are covered in Mercom's Energy Storage and Smart Grid Funding and M&A Annual and Q4 2024 Report. The report is **142** pages in length and contains **108** charts, graphs, and tables.

## Our Reports

Click here
to purchase
Mercom's Annual and Q4
2024
Energy Storage and Smart
Grid Funding and M&A
Report

Subscribe to

Mercom's weekly market intelligence reports: Energy Storage, Smart Grid, and Green Hydrogen, and Solar Visit:
MercomCapital.com
to
purchase
past reports

DISCLAIMER: © 2025 by Mercom Capital Group, Ilc. All rights reserved. Mercom hereby grants user a personal, non-exclusive, non-refundable, non-transferable license to use the Report for research purposes only. Mercom retains exclusive and sole ownership of all its Reports. When quoting from this report, please cite "Mercom Capital Group". Information contained in this publication is derived from carefully selected sources we believe to be reliable. Mercom its employees, affiliates, agents, and licensors do not warrant the accuracy, completeness, currentness, non-infringement, merchantability, or fitness for a particular purpose of this report. Nothing in this report constitutes or should be taken as investment advice. For information about this document, please contact us at 512-215-4452 or via email at: energy@mercomcapital.com.