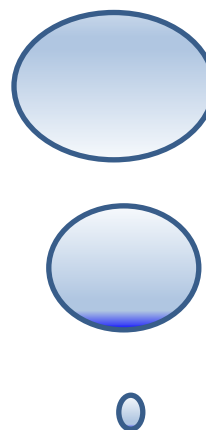


WinterGreen Research, INC.



Utility Scale Energy Storage Platforms, and Nanotechnology: Market Shares, Market Strategies, and Market Forecasts, Nanotechnology, 2020 to 2026



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CHECK OUT THESE KEY TOPICS

Utility Scale Energy Storage Platforms, and Nanotechnology: Attentiveness to Design, Distribution, and Innovation

Utility Scale Energy Storage Platforms Lithium Storage Flow Battery Flow Machine Lithium Ion Battery ,Utility Scale Energy Storage Platforms, and Nanotechnology	Security Integrated Supply Chain Polymer Film Substrate Flexible Thin Battery Nanotechnology Polymer Film Substrate Nanoparticles Electrochromics Solid State Energy Storage	Polymer Film Substrate Lithium Air Battery Battery Anode Battery Cathode
---	---	--

Utility Scale Energy Storage Platforms, and Nanotechnology Markets:

Worldwide markets are poised to achieve continuing growth as the advantages brought by using new materials are used to decrease the cost of producing Utility Scale Energy Storage Platforms, and Nanotechnology. The customization achieved by reducing the quantity of cobalt proportionally inside the lithium ion battery cathode is a significant market growth driver. A rapid response to global warming is the primary growth driver.

The world market for Utility Scale Energy Storage Platforms, and Nanotechnology is increasing as these provide the substance of power for smart phones, eco-conscious electric vehicles, and serve as a base for energy platforms that offer power quality management functions. Next generation Utility Scale Energy Storage Platforms, and Nanotechnology markets are set to be growing rapidly, with increasing expectations from auto manufacturers, the leading manufacturers of automotive lithium-ion batteries depend on significant innovation to provide a carbon free manner to recharge electric cars. .

Batteries for electric vehicles are characterized by bigger, higher-capacity cells. Energy storage systems are selling better than ever. Now, with the need to take the world to a carbon free electricity power, the systems are being put in place to power manufacturing and everything with electricity.

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Figure 1. Utility Scale Energy Storage Platforms, and Nanotechnology: Market Shares, Dollars, Worldwide, 2019

Utility Scale Energy Storage Platforms, and Nanotechnology Market Shares, Dollars, Worldwide, 2019
In Millions of Dollars

	MM\$ 2019	% 2019
Company 1	XX	XX
Company 2	XX	XX
Company 3	XX	XX
Company 4	XX	XX
Company 5	XX	XX
Other	XX	XX
Total	XX	XX

Source: WinterGreen Research, Inc.

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Energy Storage Platform Segments, Electric Vehicle Charging, Home Power Storage, Campus Fuel Cells, Utility Scale Energy Storage Manufacturing Local Storage, and Military Market Segments, Dollars, Worldwide, 2020-2026
In Percent and Millions of Dollars

	2019	2020	2021	2022	2023	2024	2025	2026
Electric Vehicle Charging								
Millions \$	XX	XX	XX	XX	XX	XX	XX	XX
Home Power Storage								
Millions \$	XX	XX	XX	XX	XX	XX	XX	XX
Utility Scale Stationary Storage / Grid								
Millions \$	XX	XX	XX	XX	XX	XX	XX	XX
Manufacturing Local Storage								
Millions \$	XX	XX	XX	XX	XX	XX	XX	XX
Campus Fuel Cells, Energy Platforms								
Millions \$	XX	XX	XX	XX	XX	XX	XX	XX
Military, Navy, Drones, and UAVs								
Millions \$	XX	XX	XX	XX	XX	XX	XX	XX
Total MM\$	XX	XX	XX	XX	XX	XX	XX	XX

Source: WinterGreen Research, Inc.

WinterGreen Research, Inc.

Energy Storage Platform Market Forecasts, Gigawatts Shipped, Worldwide, 2020-2026 In Millions of Dollars

	2019	2020	2021	2022	2023	2024	2025	2026
Energy Storage Platform								
Millions \$	XX	XX	XX	XX	XX	XX	XX	XX
% Growth	XX	XX	XX	XX	XX	XX	XX	XX
Gigawatts Shipped	XX	XX	XX	XX	XX	XX	XX	XX
\$ per GW	XX	XX	XX	XX	XX	XX	XX	XX
% Growth	XX	XX	XX	XX	XX	XX	XX	XX

Note: 1 GW = 1000000 kW

Source: WinterGreen Research, Inc.

WinterGreen Research, Inc.

Consumption of Energy on the Storage Platform
Market Forecasts, Gigawatts, Worldwide, 2020-2026
 In Millions of Dollars

	2019	2020	2021	2022	2023	2024	2025	2026
Energy consumption is 18 TW-year, 18,000 GW per year								
Total Utility Scale Energy Storage Installed								
Gwatts	XX	XX	XX	XX	XX	XX	XX	XX
% Growth	XX	XX	XX	XX	XX	XX	XX	XX
Utility Scale Energy Storage Gwatts								
Gwatts	XX	XX	XX	XX	XX	XX	XX	XX
% Growth	XX	XX	XX	XX	XX	XX	XX	XX
Auto and Transport								
Energy Storage Gwatts	XX	XX	XX	XX	XX	XX	XX	XX
% Growth	XX	XX	XX	XX	XX	XX	XX	XX

Note: 1 GW = 1000000 kW

Source: WinterGreen Research, Inc.

WinterGreen Research, Inc.

Utility Scale Energy Storage Platforms, and Nanotechnology Market Segments, Dollars, Regional, 2019 In Millions of Dollars

	MM\$ 2019	% 2019
US	XX	XX
Germany	XX	XX
Belgium	XX	XX
Rest of Europe	XX	XX
China	XX	XX
Japan	XX	XX
South Korea	XX	XX
Taiwan	XX	XX
Rest of World	XX	XX
Total	XX	XX

Source: WinterGreen Research, Inc.

,Utility Scale Energy Storage Platforms, and Nanotechnology: Market Shares, Strategies, and Forecasts, Worldwide, 2020-2026

List of Tables and Figures

Abstract: Utility Scale Energy Storage Platforms Markets Bring Renewable Energy Storage Capability to Manufacturing, Homes, Military, Agriculture and Everything 1

Figure 1.	Energy Storage Platform Market Forecasts, Dollars, Worldwide, 2020-2026	9
Figure 2.	Flow Battery Market Driving Forces	13
Figure 3.	Utility Scale Energy Storage Platform Market Shares, Dollars, Worldwide, 2019	15
Figure 4.	Utility Scale Energy Storage Platform Market Shares, Dollars, Worldwide, 2019	16
Figure 5.	Energy Storage Platform Market Forecasts, Dollars, Worldwide, 2020-2026	18
Figure 6.	Energy Storage Platform Market Forecasts, Dollars, Worldwide, 2020-2026	19
Figure 7.	Australia Burns Amid A Spiraling Climate Crisis	20
Figure 8.	Definition of Watts	22
Figure 9.	Energy Storage Platform Electric Vehicle Charging Market Forecasts, Dollars, Worldwide, 2020-2026	23
Figure 10.	Home Energy Storage Platform Market Forecasts, Dollars, Worldwide, 2020-2026	24
Figure 11.	Tesla Powerwall Used For Car Charging, Lighting, Lighting, And Entertainment Device Powering Mounted on Home	25
Figure 12.	Tesla Motors Home Battery Product: Powerwall	25
Figure 13.	Utility Scale Energy Storage - Grid Market Forecasts, Dollars, Worldwide, 2020-2026	26
Figure 14.	AES Achieves Preemptive Consolidation Of Power	28
Figure 15.	Manufacturing Energy Storage Platform Market Forecasts, Dollars, Worldwide, 2020-2026	29
Figure 16.	China Manufacturing Air Pollution	30

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Figure 17.	Air Pollution in China Out of Control	31
Figure 18.	Campus Fuel Cell and Energy Platform Storage System Market Forecasts, Dollars, Worldwide, 2020-2026	33
Figure 19.	Innolith Energy Storage	34
Figure 20.	Innolith's GridBanks Battery to Deliver Frequency Regulation	35
Figure 21.	Innolith's GridBanks Frequency Regulation Metrics	36
Figure 22.	Military Energy Storage Platform Market Forecasts, Dollars, Worldwide, 2020-2026	37
Figure 23.	Lithium Battery Segments: Electric Vehicle, Smart Phones, Stationary Energy Storage, Power Tools, Laptops / Consumer Electronics, Navy, Military, Drones, UAV, Dollars, Units, and Percent, Worldwide, 2019 and 2026	38
Figure 24.	Lithium Battery Segments: Electric Vehicle, Smart Phones, Stationary Energy Storage, Power Tools, Laptops / Consumer Electronics, Navy, Military, Drones, UAV, Dollars, Units, and Percent, Worldwide, 2019 and 2026	40
Figure 25.	Lithium Ion Battery Segments, Electric Vehicle, Smart Phones, Stationary Storage / Grid, Power Tools, Laptops, Consumer Electronics, Military / Navy / Drones / UUVs / UAVs, Market Segments, Dollars, Worldwide, 2020-2026	42
Figure 26.	Lithium Ion Battery Segments, Electric Vehicle, Smart Phones, Stationary Storage / Grid, Power Tools, Laptops, Consumer Electronics, Military / Navy / Drones / UUVs / UAVs, Market Segments, Percent, Worldwide, 2020-2026	43
Figure 27.	Lithium Ion Battery Segments, Electric Vehicle, Smart Phones, Stationary Storage / Grid, Power Tools, Laptops, Consumer Electronics, Military / Navy / Drones / UUVs / UAVs, Market Segments, Units Shipped, Worldwide, 2020-2026	44
Figure 28.	Battery Pack Pricing Declines	45
Figure 29.	Energy Storage Platform Market Forecasts, Gigawatts, Worldwide, 2020-2026	46
Figure 30.	Energy Storage Platform Segments, Electric Vehicle Charging, Home Power Storage, Campus Fuel Cells, Utility Scale Energy Storage Manufacturing Local Storage, and Military Market Segments, Gigawatts, Percent, Worldwide, 2020-2026	47
Figure 31.	Energy Storage Platform Segments, Electric Vehicle Charging, Home Power Storage, Campus Fuel Cells, Utility Scale Energy Storage Manufacturing Local Storage, and Military Market Segments, Dollars, Worldwide, 2020-2026	48

REPORT # SH28371314

135 PAGES

56 TABLES AND FIGURES

2020

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Figure 32.	Consumption of Energy on the Storage Platform Market Forecasts, Gigawatts, Worldwide, 2020-2026	
49		
Figure 33.	Energy Storage Platform Energy Consumption Market Forecasts, Gigawatts, Worldwide, 2026-2033	
50		
Figure 34.	Advantages of Flow Batteries vs. Lithium Ion Batteries for Storage Duration	53
Figure 35.	Cost and Performance Metrics, Vanadium, WattJoule	54
Figure 36.	Energy Storage Platforms Regional Market Segments, Dollars, Worldwide, 2019	55
Figure 37.	Energy Storage Platforms Regional Market Segments, Dollars, Worldwide, 2019	56
Figure 38.	Energy Storage Software Components	58
Figure 39.	Using Utility Scale Energy Storage to Manage Peak Demand Charges	60
Figure 40.	Energy Arbitrage Enabled by Utility Scale Energy Storage	61
Figure 41.	Solar Energy Storage	62
Figure 42.	Energy Storage	63
Figure 43.	Imagining Cities of the Future	64
Figure 44.	Solar Storage Solutions	65
Figure 45.	Eight Key U.S. Market Segments Affected By Power Outages	67
Figure 46.	Types of Microgrids	69
Figure 47.	Solar Energy Cost Benefit Ratios	71
Figure 48.	Solar Coupled With Electricity Storage Benefits:	71
Figure 49.	Tax Incentives for Solar Energy	73
Figure 50.	Factors to Consider When Buying a New Energy Storage System:	74
Figure 51.	Power Rating of Utility Scale Storage	77
Figure 52.	Utility Scale Storage System Power Rating Module Size	78
Figure 53.	Key Types of Utility Scale Storage	78
Figure 54.	Energy In The Isomer Can Be Stored For 18 Years	80

REPORT # SH28371314

135 PAGES

56 TABLES AND FIGURES

2020

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WinterGreen Research, Inc.

Figure 55.	redT Flow Machine Utility Scale Battery	82	
Figure 56.	Advantages of Flow Batteries	83	
Figure 57.	Disadvantages of Flow Batteries	83	
Figure 58.	AES and Siemens Partner to Create Energy Storage	88	
Figure 59.	AES Utility Scale Power Storage Installation	89	
Figure 60.	AES Utility Scale Power Storage Installation	90	
Figure 61.	AES Utility Scale Power Storage Installation	91	
Figure 62.	AES Metrics	92	
Figure 63.	AES Corporation Revenue	96	
Figure 64.	AES Energy Storage Revenue, Three Months 2018, 2019	97	
Figure 65.	AES Energy Storage Revenue, Nine Months 2018, 2019	98	
Figure 66.	ATL Product Set	104	
Figure 67.	Dynapower Energy Server Platforms	108	
Figure 68.	Dynapower Utility Scale Inverters	109	
Figure 69.	Dynapower Storage Systems Protections	111	
Figure 70.	Dynapower's Key Technology Components For Energy Storage Systems And Inverters:	111	
Figure 71.	EV Sector Major Challenges:	114	
Figure 72.	Envision AESC Smart City Initiative	115	
Figure 73.	esVolta Utility Scale Energy Storage	117	
Figure 74.	esVolta Utility-Scale Energy Storage Projects	118	
Figure 75.	Hummingbird Energy Storage 75 MW / 300 MWh :: Santa Clara, California	Stratford 8.8 MW / 40.8 MWh :: Ontario, Canada	119
Figure 76.	esVolta Millikan 2 MW / 9 MWh :: Irvine, California	Don Lee 6.5 MW / 26 MWh :: Escondido, California	120

REPORT # SH28371314

135 PAGES

56 TABLES AND FIGURES

2020

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Figure 77.	Quarantina 10 MW / 40 MWh :: Santa Barbara, California	Santa Paula 30 MW / 60 MWh :: Santa Paula, California	121
Figure 78.	Innolith Energy Storage		122
Figure 79.	Innolith's GridBanks Battery Deliver Frequency Regulation		123
Figure 80.	Innolith's GridBanks Frequency Regulation Metrics		124
Figure 81.	Innolith Specific Intervention Services Performed to Stabilize Electrical Grids:		125
Figure 82.	Johnson Controls / TYCO Energy Storage Platform		128
Figure 83.	LG Chem Revenue		132
Figure 84.	LG Chem Revenue Segments		132
Figure 85.	LG Chem Revenue Segments		133
Figure 86.	redT Flow Machine Energy Storage		135
Figure 87.	redT Partners		135
Figure 88.	Samsung EV		136
Figure 89.	Samsung SDI Q3 2019		137
Figure 90.	Samsung Lithium Ion Battery		137
Figure 91.	Samsung Lithium Ion Battery Revenue		138
Figure 92.	Siemens Battery Based Storage		141
Figure 93.	Siemens Regional Energy Storage Analysis		143
Figure 94.	Tesla Powerwall Battery		144
Figure 95.	Tesla Powerwall Residential Battery		145
Figure 96.	Tesla Powerwall and Powerpack Products For Energy Storage		146
Figure 97.	Tesla Powerwall Cost		147
Figure 98.	Tesla Powerpack Specifications		148
Figure 99.	Tesla Gigafactory Produces:		149

REPORT # SH28371314

135 PAGES

56 TABLES AND FIGURES

2020

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Figure 100. New Tesla Battery Technology Image: An Electron Microscope Cross-Section of The New NMC Electrode Showing Very Low Damage After 5,300 Cycles 151

Figure 101. Tesla Giga Factory 1 153

Figure 102. ElectriStor™ Functions 155

Figure 103. WattJoule Redox Flow Battery System Operation 156

REPORT # SH28371314

135 PAGES

56 TABLES AND FIGURES

2020

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ABOUT THE COMPANY

WinterGreen Research, research strategy relates to identifying market trends through reading and interviewing opinion leaders. By using analysis of published materials, interview material, private research, detailed research, social network materials, blogs, and electronic analytics, the market size, shares, and trends are identified. Analysis of the published materials and interviews permits WinterGreen Research senior analysts to learn a lot more about markets. Discovering, tracking, and thinking about market trends is a high priority at WinterGreen Research. As with all research, the value proposition for competitive analysis comes from intellectual input.

WinterGreen Research, founded in 1985, provides strategic market assessments in telecommunications, communications equipment, health care, Software, Internet, Energy Generation, Energy Storage, Renewable energy, and advanced computer technology.

Industry reports focus on opportunities that expand existing markets or develop major new markets. The reports access new product and service positioning strategies, new and evolving technologies, and technological impact on products, services, and markets. Innovation that drives markets is explored. Market shares are provided. Leading market participants are profiled, and their marketing strategies, acquisitions, and strategic alliances are discussed. The principals of WinterGreen Research have been involved in analysis and forecasting of international business opportunities in telecommunications and advanced computer technology markets for over 30 years.

The studies provide primary analytical insight about the market participants. By publishing material relevant to the positioning of each company, readers can look at the basis for analysis. By providing descriptions of each major participant in the market, the reader is not dependent on analyst assumptions, the information backing the assumptions is provided, permitting readers to examine the basis for the conclusions.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

About The Principal Authors

Susan Eustis, President, co-founder of WinterGreen Research, is a senior analyst. She has done research in communications, healthcare equipment, and computer markets and applications. She holds several patents in microcomputing and parallel processing. She has the original patents in electronic voting machines. She has new patent applications in format varying, multiprocessing, electronic voting, and oxygen management. She is the author of recent studies of the drone and robot marketing strategies, Internet equipment, biometrics, biomaterials, a study of Internet Equipment, Artificial Intelligence, IoT, Worldwide Telecommunications Equipment, Top Ten Telecommunications, Digital Loop Carrier, Web Hosting, Web Services, and Application Integration markets. Ms. Eustis is a graduate of Barnard College. Ms. Eustis was named Top Woman CEO in 2012 by Who's Who Worldwide. She was named Top Woman Market Research Analyst in 2012, 2013, 2014, 2015, 2016, 2017, 2018, and 2019. She has been twice featured on the cover of the Women of Distinction magazine. She was cited in a recent Time Magazine article and major media articles on Youth Sports market growth. Recently she has been quoted by Bloomberg, The Wall Street Journal, The London Times, The Los Angeles Times, and others on sports markets, blockchain, and cybercurrency. She is the leader of the government blockchain association committee on elections.

About the WinterGreen Research Team: The WinterGreen Research Team is comprised of senior analysts that prepare the market research and analysis that is offered to the client and developed using an iterative process to achieve a final study. Typical projects include providing market/viability research. The team can look at how drones can be applied to critical infrastructures safety, including: type of market existing, Barriers, Forecast demand and competitors, SWOT and competitive advantages, Price Analysis, product design recommendations (marketing orientation).

Research is typically for many different regions or localities, for example EU countries including Spain, UK, Nordic, Germany, and France. Typical projects profile the United States and areas of Asia. It is common to three representative countries from South America, Brazil, Argentina, Chile, and Mexico. Representative countries from Asia APAC typically include Japan, China, India, and Australia.

Critical infrastructure safety, including: type of market existing, barriers to entry and to faithful execution of product provision, forecast of demand, market share, SWOT, competitive advantage of major competitors, identification of new technologies and new companies, price performance analysis, product design recommendations, and marketing considerations are typical topics covered.