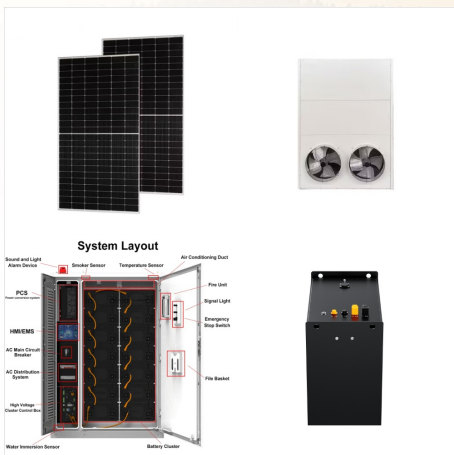




The Solar Energy Industries Association(R) (SEIA) is leading the transformation to a clean energy economy. SEIA works with its 1,200 member companies and other strategic partners to fight for policies that create jobs in every community and shape fair market rules that promote competition and the growth of reliable, low-cost solar power.



1 U.S. Energy Storage Monitor: Q3 2016 Executive Summary, GTM Research/Energy Storage Association 2 Frequency regulation refers to the need to react to short-term changes to supply and demand to maintain the frequency of the grid to within operational limits



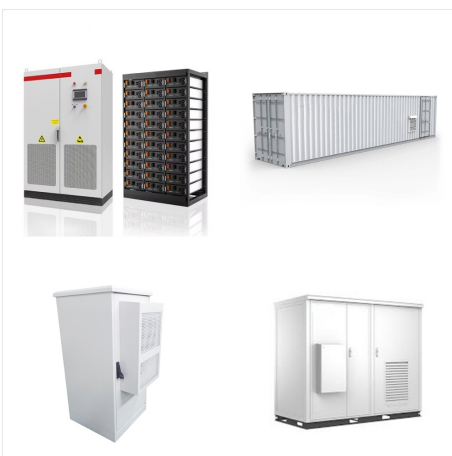
??<???????????????? 1/4
 ??????????<??(R)? 1/4
 ??(R)?>????????u??<????????????????
 ?GTM????u?? 1/4 ??? 1/4 ?GTM Research? 1/4
 ??????????<??(R)? 1/4 ? 1/4 ?Energy
 Storage Association: ESA? 1/4 ??????2013? 1/2
 ?17??(R)5????(R)????????<??(R)? 1/4
 ????????? 1/4 ??,??(R)???1000MWh? 1/4
 ?1GWh? 1/4 ?????????????????



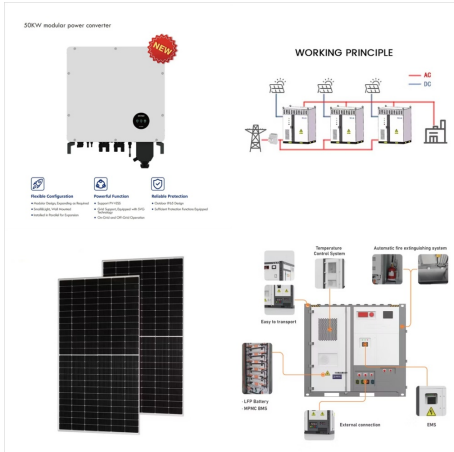
4 U.S. Energy Storage Monitor: Q3 2016 Executive Summary, GTM Research/Energy Storage Association What's Driving Energy Storage? The concept of storing energy for later use is not new. Pumped hydro storage has been widespread since the 1930s and still constitutes the overwhelming majority of the global energy storage capacity.



The first quarter of 2017 was the biggest in history for the U.S. energy storage market. According to GTM Research and the Energy Storage Association's (ESA) latest U.S. Energy Storage Monitor



According to Ravi Manghani, GTM Research's director of energy storage, Q4 2016 was an inflection point in storage deployments in the US, with 230MWh coming online; more than the sum of the previous 12 quarters combined. executive director of the Energy Storage Association. "The energy storage industry's rapid response to address the



GTM predicts that the annual deployment of storage in the US will cross the 1GW threshold in 2019, before climbing to the 1.7GW it predicts annually by 2020. “We can look back at 2015 as the year when energy storage really took off,” said Ravi Manghani, GTM Research senior energy storage analyst and author of the report.



According to GTM Research and the Energy Storage Association's newly released U.S. Energy Storage Monitor 2017 Year in Review, 100 megawatt-hours of grid-connected energy storage were deployed



Global Energy Storage: 2017 Year in Review and 2018-2022 Outlook April 2018 ??? 4 ABOUT THE ANALYSTS Ravi Manghani, Director, Energy Storage | GTM Research Ravi Manghani is the Director of Energy Storage at GTM Research, where he focuses on global energy storage markets and value chain analysis. As an industry expert, Ravi has been quoted in



About SEIA. The Solar Energy Industries Association(R) (SEIA) is leading the transformation to a clean energy economy. SEIA works with its 1,200 member companies and other strategic partners to fight for policies that create jobs in every community and shape fair market rules that promote competition and the growth of reliable, low-cost solar power.



Energy storage deployments for the third quarter of 2015 were twice those for the same period a year earlier, according to a report issued in December by GTM Research and the Energy Storage Association. Of the 60.3 megawatts (MW) added to total energy



Attention! Your ePaper is waiting for publication! By publishing your document, the content will be optimally indexed by Google via AI and sorted into the right category for over 500 million ePaper readers on YUMPU.



GTM Research/ESA U.S. Energy Storage Monitor: 2015 Year in Review 1 U.S. Energy Storage Monitor is a quarterly publication of GTM Research and the Energy Storage Association (ESA). Each quarter, we gather data on U.S. energy storage deployments, prices, policies, regulations and business models.



The energy storage market is kind of like the Loch Ness Monster ??? It's rarely seen. GTM Research, Utility Dive, Bloomberg New Energy Finance, Bloomberg, McKinsey & Company, i3 (Cleantech), Lazard, Energy Storage Association, PV Magazine, Rocky Mountain Institute, Renewable Energy World, and Energy Storage News for their great work



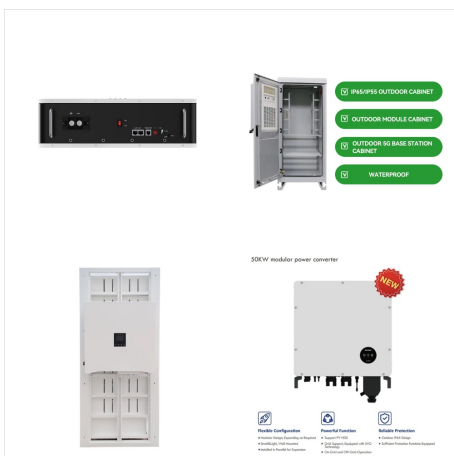
According to GTM Research and ESA's latest U.S. Energy Storage Monitor, the U.S. deployed 18.3 megawatts (21.2 megawatt-hours) of energy storage in the first quarter of 2016. Deployments were up



GTM Research / ESA | U.S. Energy Storage Monitor Q3 2018 2 About This Report U.S. Energy Storage Monitor is a quarterly publication of GTM Research and the Energy Storage Association (ESA). Each quarter, we gather data on U.S. energy storage deployments, prices, policies, regulations and business models. We compile



Year-in-Review Executive Summary is now available for download. The quarterly U.S. Energy Storage Monitor is produced by GTM Research in conjunction with the Energy Storage Association (ESA), providing the industry's only comprehensive research on energy storage markets, deployments, policies, regulations and financing in the U.S.



Ravi Manghani of GTM Research, the author of the joint ESA-GTM Research Energy Storage Monitor report series, said, "The U.S. market is on track to have its biggest year, breaking the 100-megawatt



Energy storage sees significant growth as more utilities include it in long-term plans Deployments grew 46% in the third quarter and are expected to rise nearly nine-fold by 2022, GTM and ESA report.



Explore the themes shaping the energy transition with our monthly thought leadership. Blogs. Unique energy insight, spanning the renewables, energy and natural resources supply chain, to support strategic decision-making. Podcasts. Weekly discussions on the latest news and trends in energy, cleantech and renewables. The Inside Track



New figures from GTM Research and the Energy Storage Association published this week show that energy storage deployments in the United States were up 46% year-over-year in the third quarter, and