



SIEMENS
Ingenuity for life

Siemens Corporation
300 New Jersey Ave. N.W.
Washington, D.C. 20001
Tel: (800) 743-6367

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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract. The document contains a general product overview. Availability can vary by country. For detailed product information, please contact the company office or authorized partners.



Energy Storage Solutions

It's time to add flexibility to your energy portfolio.

usa.siemens.com/onsite-power

Transform Your Energy Strategy with Storage

Realize greater cost savings, resiliency and ROI while increasing sustainability.

For organizations looking to enhance energy infrastructure and management capabilities, energy storage offers one of the best opportunities for game-changing advancement. Whether you are developing a simple solar installation or a campus-wide microgrid, storage technology delivers new levels of flexibility and reliability to help you meet your energy goals.



Flexible energy management

Our energy storage solutions leverage leading technology and services to extend your energy capabilities. Smart and scalable, these solutions are employed at facilities of all types to store energy from the grid and other sources for impactful use later. With the added flexibility of energy storage, organizations generate greater cost savings, amplify the benefits of on-site generation and renewables, and increase energy resiliency.

Energy storage is a perfect complement for renewable technologies such as wind and solar. By providing access to this energy whenever it is needed, storage addresses the intermittent nature of renewables so organizations can benefit from them day or night, in almost any environment. With a storage solution in place, energy consumers gain greater independence from utilities and improve overall resiliency.

As part of a holistic energy strategy, energy storage can be combined with generation, distribution and controls to develop an intelligent energy infrastructure that provides your organization:

- Greater reliability
- Maximum control
- Improved ease of use
- Enhanced sustainability
- Lower energy and operating costs
- Long-term scalability and support

The added flexibility of energy storage translates into more financial benefits, too. Stored energy enables you to switch from the utility grid to on-site power and back depending on price and demand. You avoid energy costs at high demand times and capture the energy storage incentives available in many states, improving the overall ROI of your on-site energy systems.

The right partner

Siemens is the right partner to help you take advantage of the many benefits of energy solutions. A leader in facilities and energy infrastructure and management, we understand modern power markets and the technologies and strategies that drive them. We put this knowledge to work to help you solve energy challenges and achieve organizational goals.

We've developed solutions for commercial, industrial and institutional customers of all kinds. Our comprehensive approach includes:

- Proven technology platforms
- Solutions design and implementation
- Energy modeling
- System sizing
- Operation and maintenance support
- Project financing
- Capacity guarantee
- Digital services

Our energy storage solutions can be leveraged for a wide variety of applications and functions:

- Peak shaving
- Time of Use (TOU) arbitrage
- Time shifting
- Load following
- Microgrid operation
- Renewable capacity firming
- Renewable smoothing
- Energy trading
- Ramp rate control
- Frequency and voltage regulation

And, we provide unmatched experience: more than 170 years dedicated to innovation in engineering and a decade-plus commitment to developing energy storage technologies. You can trust Siemens to support, scale and enhance your solution for the long term.

An energy storage solution from Siemens is designed, built and supported according to your needs. We offer a complete portfolio of technologies and services that can be tailored to your organization and scaled to your infrastructure and energy usage.

Storage Solutions and Support Services

Dependable, safe and future-proof, our energy storage solutions are designed with the end-user in mind.



Siemens storage systems are built around proven battery technology, designed for safety, scalability, and longevity, and backed by our Siemens performance guarantee.

Siemens energy storage solutions include both the technologies and services needed to ensure smooth operation long term. Our solutions are built upon a rock-solid foundation of 10+ years of lessons learned in designing, deploying and operating complete energy storage systems.

Unlock more benefits

We work with you to develop an energy storage solution ideal for your facility. Our energy experts can help you to integrate storage as part of an overall energy strategy so your organization can maximize the benefits of:

- Lower energy costs – Use energy storage to minimize your overall energy spend, storing power from the grid when it is financially advantageous and then accessing it during peak periods when costs are highest.
- Renewable integration – The lack of consistent availability is one of the biggest hurdles to renewable adoption; energy storage eliminates this concern, allowing you to expand your sustainability goals.

- Reliability – During power outages, energy storage delivers much needed energy quickly and with ease, playing a key role in any organization’s resiliency plans.

Technology you can count on

Designed with the long-term owner in mind, Siemens energy storage solutions are ideal for a wide-range of applications, from single buildings to entire campuses – including healthcare institutions, colleges and universities, and laboratories and life science facilities.

Comprehensive services

Backed by the resources of a global leader in energy management and smart building technologies, our comprehensive services support your energy storage system through every stage of its lifecycle.

Our portfolio of services leverages expertise in every area of energy storage:

- Consulting & Technical Services – Our team of experts helps you design the ideal system for your organization and gets your project off the ground.

- Financing – Through Siemens Financial Services, we offer several options for project financing and help you choose the best one for you.
- Project Implementation – Our turnkey approach supports you through construction, commissioning and beyond.
- Asset Lifecycle – Services support the entire project lifecycle to optimize performance and maximize success.
- Digital Services – Uncover a wealth of information about your energy storage usage, monitor system health and test “what-if” scenarios to improve performance and unlock greater cost savings and revenue potential.
- Education & Training – From classes and webinars to on-site technical training, we give your team knowledge and confidence.

When you partner with Siemens, you are partnering with one of the largest service organizations in the industry. From local service technicians at branches throughout the United States to continuous remote monitoring, we provide the level of service you need to ensure optimal operation and maintenance of your solution and maximize project ROI.

Empowering your project, long term

Most importantly, you can count on Siemens to be there for the life of your energy storage solution. From system design, to project financing, to field service and upgrades, we’re dedicated to helping you achieve your goals now and in the future.



We’ve leveraged our extensive background in large-scale energy storage to develop effective and reliable solutions for our commercial and end-user customers. You can trust your energy storage solution more knowing that it’s backed by the same technology and expertise used by utilities in some of the largest storage installations around the globe.



The Siemens Difference

With more resources, insights and experience than other providers, we're ready to make your project a success.



Over the past eight years, Siemens has directly financed projects in the energy sector worth over \$5.9 billion. And, with a 170-year track record of solid financial performance and growth, you can count on us for financing and partnering stability.

As a global leader in building technologies, our capabilities extend further than most. No matter what barriers your project may face, we'll help you overcome them.

Building integration

Our expertise in building technologies helps us deliver a seamless solution to you that's easy to implement and easy to use. From planning through operation, you'll benefit from our decades of experience in making buildings work smarter.

In the technology planning stage, our experts will work with you to evaluate the impact of energy storage solutions on your facility and its operations. We can help identify the best solution for your needs by leveraging expertise across facility types ranging from education to healthcare to government and commercial.

We can integrate your solution's energy management system (EMS) with other key systems, such as building automation, SCADA or microgrid controls. Our goal is to create a seamless system that your staff can use with ease to unlock the full potential of energy storage.

Project financing

Siemens provides a variety of financing options and support to help organizations take the next step and turn plans into reality. Our project financing can be tailored specifically to your energy storage solution or become part of a larger on-site energy initiative.

Through our Siemens Financial Services division, we're available to manage the entire financing process. By using our own resources, we can often provide better terms with solutions and packages based upon your needs and capabilities. Financing options available to you include:

- Power purchase agreements
- Energy services agreements
- Debt and equity financing
- Performance contracts
- Equipment leases



Power purchase agreements

With increasing frequency, storage is being deployed in conjunction with solar PV systems to maximize production. Pairing solar and storage in new facilities can make the installation more affordable by capturing federal tax incentives otherwise not available for storage alone.

One option for taking advantage of these new incentives is the use of a solar power purchase agreement, also known as a PPA. It is a cost-effective solution to financing solar projects. In a PPA, Siemens takes on the responsibility of building, owning and operating the solar installation at your site. You pay only for the power the system generates at a competitive per kilowatt hour rate.

Total Energy Management (TEM)

Our Total Energy Management approach helps customers of all types maximize the benefits of their energy projects. TEM is a new way thinking that looks at your overall energy picture, from generation to consumption to procurement, to ensure initiatives are as coordinated and impactful as they can be. With this approach, energy storage becomes a key tool in your overall energy strategy.

Siemens energy experts are equipped to help you take a Total Energy Management approach to your energy portfolio that identifies the best opportunities for storage and where it can make the most impact. Through this process, you can better maximize the value of your energy storage solutions so that you're reducing your energy spend, achieving sustainability targets and meeting other organizational goals.