

SMA America to Showcase How Renewables and Storage Can Power the Next Generation of Data Centers at RE+ 2026



Visitors to booth N862 can explore three proven power architectures and meet with SMA experts focused on integrating the grid, renewable energy and battery storage to accelerate time-to-power for AI-driven data centers

ROCKLIN, Calif. — Oct. 27, 2026 — SMA America will bring its data center power expertise to RE+ 2026, Nov. 16-19 at the Las Vegas Convention Center, highlighting how renewable generation, battery energy storage and advanced power conversion can work together to meet the rapidly growing energy demands of AI and hyperscale data centers.

As the renewable energy industry gathers at RE+, data centers are emerging as an important part of the conversation. Their enormous and rapidly growing power requirements are creating new challenges for utilities, developers and grid operators, while also opening opportunities for renewable energy and battery storage to play a larger role in powering mission-critical infrastructure.

At booth N862, SMA will showcase what it means to bring data center power expertise under one roof. From system design and planning through commissioning and long-term service, SMA combines proven technology with in-house grid, controls, battery storage and integration expertise to support customers throughout the project lifecycle.

As artificial intelligence, cloud computing and digitalization drive unprecedented growth in data center capacity, securing reliable power has become one of the industry's most significant development challenges. Grid interconnection constraints, increasing power density and complex stability and compliance requirements are pushing developers to consider new approaches to how data centers source, store and manage power.

Battery energy storage can serve as an important enabler, helping integrate renewable generation while supporting power quality, grid code compliance, and mitigating the effects of the highly volatile load profiles of many modern data centers.

SMA brings 45 years of experience solving many of these same challenges across complex utility-scale renewable energy and storage systems around the world.

“For data center developers, the question is no longer simply where the power will come from. It is how quickly they can get it, how reliably they can use it and how they build an infrastructure that can evolve with their needs,” said Jay Arghestani, managing director of sales, technology and marketing for Large Scale at SMA America. “RE+ is the right place for that conversation because renewable generation and battery storage will be an important part of solving this power challenge. We want to sit down with customers, understand their specific projects and help create a practical path to power.”

Three architectures. One Experienced Partner.

Visitors to the SMA booth can learn more about three data center architectures designed to address different grid, operational and infrastructure requirements:

SMA GridAssist is a parallel connected, battery-based architecture that supports islanded or grid-connected data centers through load smoothing, power quality stabilization and grid code compliance.

SMA GridLink AC is a medium-voltage UPS architecture designed to decouple data center loads from the grid, improve the efficiency of the full grid-to-chip power stack, and address interconnection challenges under the most severe operating conditions.

SMA GridLink DC coming in 2027, this solution supports the industry's transition toward 800V DC-powered AI infrastructure and is designed to even further improve efficiency, scalability and power availability from grid to compute.

Rather than taking a one-size-fits-all approach, SMA works with customers to determine which architecture, or combination of architectures, best fits the project's grid connection, renewable generation and storage strategy, load requirements and long-term plans.

Connecting Renewable Energy, Storage and Mission-Critical Power

SMA's data center offering extends beyond power conversion equipment. The company brings expertise in grid stabilization, grid-forming technology, battery energy storage integration, cybersecurity, power plant controls and complex electrical infrastructure, along with project support from early planning through commissioning and long term service agreements.

That experience becomes increasingly important as the lines between power generation, storage and consumption continue to converge. Data centers require enormous amounts of reliable, high-quality power. Renewable generation can provide an increasingly important source of that energy, while battery storage can help bridge the variability of generation and the demanding requirements of the load.

SMA's experience across each of these areas allows customers to work with one partner across critical stages of development, reducing complexity while keeping the focus on speed, reliability and long-term performance.

"Time-to-power is ultimately a project execution challenge as much as it is a technology challenge," Arghestani said. "The value we bring is the ability to connect the pieces. We understand renewable generation, storage, the grid, power conversion technology and controls, and what it takes to commission and support these systems over the long term."

Meet SMA at RE+ 2026

RE+ attendees can meet with SMA's data center experts Nov. 16-19 at the Las Vegas Convention Center in **booth N862** to discuss project requirements, explore SMA's three data center architectures and learn how SMA can support projects from initial planning through operation.

Whether the path to power involves the grid, renewable generation, battery energy storage or an evolving combination of AC and DC infrastructure, SMA will be at RE+ to demonstrate how these technologies can come together to power the next generation of data centers.

Visit SMA at RE+ 2026 in booth N862 and bring us your toughest data center power challenge.