



SMA Solar Technology AG press release

SMA expands large-scale portfolio for BESS and PV power plants: New 40ft turnkey medium-voltage solution delivers double power in a compact skidcontainer

Niestetal, November 26, 2025 – SMA Solar Technology is expanding its portfolio for large-scale battery storage and photovoltaic projects in Central Europe with the Medium Voltage Power Station-9200 in a 40-ft configuration. The new system solution integrates two high-performance inverters, two transformers, and one medium-voltage switchgear in a compact skidcontainer, giving EPCs and project developers double the power in a single turnkey unit, simplifying the system design and installation.

Production takes place in Europe, ensuring short delivery times and proximity to customers. The development and manufacturing of this system solution builds on SMA's strategic partnership with CEP from Italy, which contributes additional technical expertise for medium-voltage components.

"Our new 40ft Medium Voltage Power Station (MVPS) brings together advanced engineering, proven inverter technology, and streamlined logistics, delivering a solution that improves efficiency from planning to operation. It will enable our customers to implement their projects faster and more economically," says Florian Bechtold, EVP Business Division Large Scale at SMA.

For PV plants and battery energy storage systems, the new system solution supports operation at 1500 VDC. Its redundant design supports high system availability, contributes to lower operating expenditure (OPEX), and helps stabilize project revenues. Sunny Central UP inverters are used for PV applications, while Sunny Central Storage UP or UP-S inverters are deployed in BESS projects. When equipped with SiC MOSFET technology*, the UP-S inverter can reduce energy losses and contribute to lower long-term OPEX.

The new 40ft MVPS is available in power classes ranging from MVPS-5860 to MVPS-9200.

Customer benefits at a glance

- Reduced installation effort: All components combined as a turnkey solution in a single 40-ft skidcontainer.
- Higher system availability: Redundant system components support continuous operation, even during maintenance work.
- Simplified maintenance: A 4-feeder medium-voltage switchgear enables continued operation of 50 percent of total system power during service and maintenance activities.
- Flexible integration: Compatible with modern 5+ MWh BESS containers in 2- and 4-hour storage configurations.
- Predictable operating costs for BESS: Efficient SiC technology reduces energy losses and contributes to lower long-term OPEX.



Future-proof, flexible investment

With lower CAPEX, proven SMA software, and an efficient, scalable plant design, the 40-ft Medium Voltage Power Station-9200 offers a flexible solution for modern BESS and PV plants operating at 1500 V DC.

The SMA MVPS-9200 is a compact, high-performance turnkey station that simplifies project construction, operation, and integration – developed based on years of experience from globally deployed 20-ft MVPS projects and enhanced through SMA's partnership with CEP.

For more information on the MVPS-9200, visit the [SMA product page](#).

*SiC MOSFET technology available only with Sunny Central Storage UP-S inverters.

About SMA

As a leading global specialist in photovoltaic and storage system technology, the SMA Group is setting the standards today for the decentralized and renewable energy supply of tomorrow. SMA's portfolio contains a wide range of efficient PV and battery inverters, holistic system solutions for PV and battery storage systems of all power classes, intelligent energy management systems and charging solutions for electric vehicles and power-to-gas applications. Digital energy services as well as extensive services round off SMA's range. SMA PV inverters installed throughout the world within the last 20 years with a total output of approximately 144 GW help avoid the emission of more than 64 million tons of CO₂. SMA's multi-award-winning technology is protected by more than 1,600 patents and utility models. Since 2008, the Group's parent company, SMA Solar Technology AG, has been listed on the Prime Standard of the Frankfurt Stock Exchange (S92) and is listed on the SDAX and TecDAX index.

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