Roll-A-Rack Introduces SunChord™ Ground-Mount Solar Racking System

System combines energy production, rainwater harvesting, soil conservation, and high land-use efficiency

CLEVELAND, Ohio — November 10, 2026 — Roll-A-Rack, a developer of patented, on-site-manufactured solar racking systems, will introduce SunChord, its new multi-purpose ground-mounted system, at RE+ 2026, November 16–19 in Las Vegas.

SunChord is designed to address one of the industry's growing challenges: producing more solar energy while reducing impact on increasingly valuable and sensitive land. Unlike conventional ground-mounted racking, SunChord combines multiple functions in a single, UL-approved low-profile system to deliver these benefits:

- **Uses 34% less land** than conventional fixed-axis or tracker racking, maximizing solar production for a given land area as shown by Helioscope calculations.
- **Reduces installation time** thanks to its simple two-component snap-slide-secure system.
- **Captures 95% of rain falling on the array**, directing water through the racking channels to bioswales, pollinator habitat, or storage.
- **Respects the land it sits on,** conserves soil, and has an easily reversible footprint.
- **Minimizes visual impact** through its low profile and reduced land requirements.

“The next generation of solar technology needs to do more than produce clean electricity. It needs to make better use of land, minimize environmental impacts, and create value beyond the energy generated,” said Don Scipione, Ph.D., founder of Roll-A-Rack. “SunChord reflects our vision of harmonizing sun and earth, combining solar energy production with rainwater harvesting and soil conservation in a system that can unlock new opportunities for solar development on land where conventional approaches fall short.”

The optimal applications for SunChord are agrivoltaics; land-constrained commercial and industrial projects; land-constrained community solar; landfills; brownfields; and other sites

where land use, stormwater management, or ground disturbance are important considerations that can limit or prevent solar deployment.

Simplified deployment saves time, space and waste

SunChord is a simple, two-component system comprising gutter channels and clamp brackets that attach solar panels to the channels. Roll-formed directly at the installation site, the channels serve as receivers that simplify panel placement and alignment. Manufacturing onsite in real time minimizes both waste and the installation footprint.

Solar panels are attached to the channels using a snap-slide-secure fastening system that streamlines installation. This process was validated at a Roll-A-Rack pilot project at Hood Honey urban bee farm in Cleveland, where a 2-person crew placed a series of solar panels quickly and efficiently.

SunChord is based on patented Roll-A-Rack technology developed with support from the U.S. Department of Energy's Integrated Energy Systems Office and the USDA National Institute of Food and Agriculture. The company has two issued U.S. patents, a patent application pending, wind-tunnel ratings, and UL 2703 certification.

Seeking Developer Partners for Pilot Projects

Roll-A-Rack will be at RE+ to meet with developers and EPCs to identify solar developers as potential SunChord pilot partners. The company is offering free SunChord racking for up to five pilot projects, each incorporating a 50-kW SunChord block as part of a planned solar project. Developers working on agrivoltaic projects, land-constrained sites, landfills, brownfields, community solar, or environmentally sensitive projects are encouraged to contact the company at info@roll-a-rack.com.

About Roll-A-Rack

Roll-A-Rack is a Cleveland-based solar technology company developing innovative mounting systems that reduce installation costs, simplify construction and improve land utilization. Its patented portable roll-forming technology enables solar racking components to be manufactured directly at project sites, reducing transportation and material handling requirements. Developed with support from the U.S. Department of Energy and the U.S. Department of Agriculture, the company's SunChord™ ground-mount system integrates solar energy production with rainwater harvesting, soil conservation and efficient land use. Designed to harmonize solar energy with the surrounding environment, SunChord offers a reversible footprint that supports long-term land stewardship. For more information, visit www.roll-a-rack.com.

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