



/ A Wise  
Investment

/ SolarEdge  
Advantage

/ More  
Energy

/ Advanced Asset  
Management

/ Safety  
First

/ Rooftop  
Offering

/ Ground Mount  
Offering

/ Customer  
Testimonials

# Community Solar by SolarEdge

Get More from Your Investment

# Community Solar Has Never Been More Profitable

The cost to install solar is at an all-time low, after dropping by more than 70% since 2011



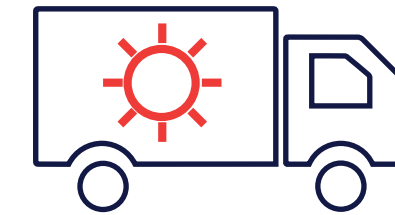
State-level and federal tax incentives are available for investors & customers



**Now's the Time**

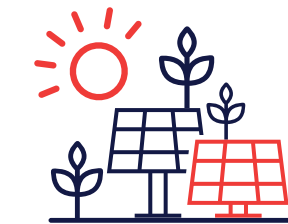
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## Main Benefits



### Reach new customers

Deliver solar to businesses and homeowners who are unable to go solar due to lack of roof space or financial constraints



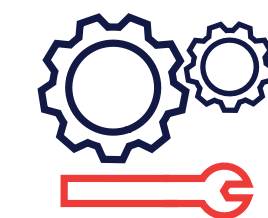
### Be scalable

Build on large plots of unused land – making expansion easier and cost-effective



### Reduce costs

Take advantage of IRA and tax incentives available for businesses installing on brownfield sites



### Easier installs & maintenance

Convenient access to system components with centralized inverter topology

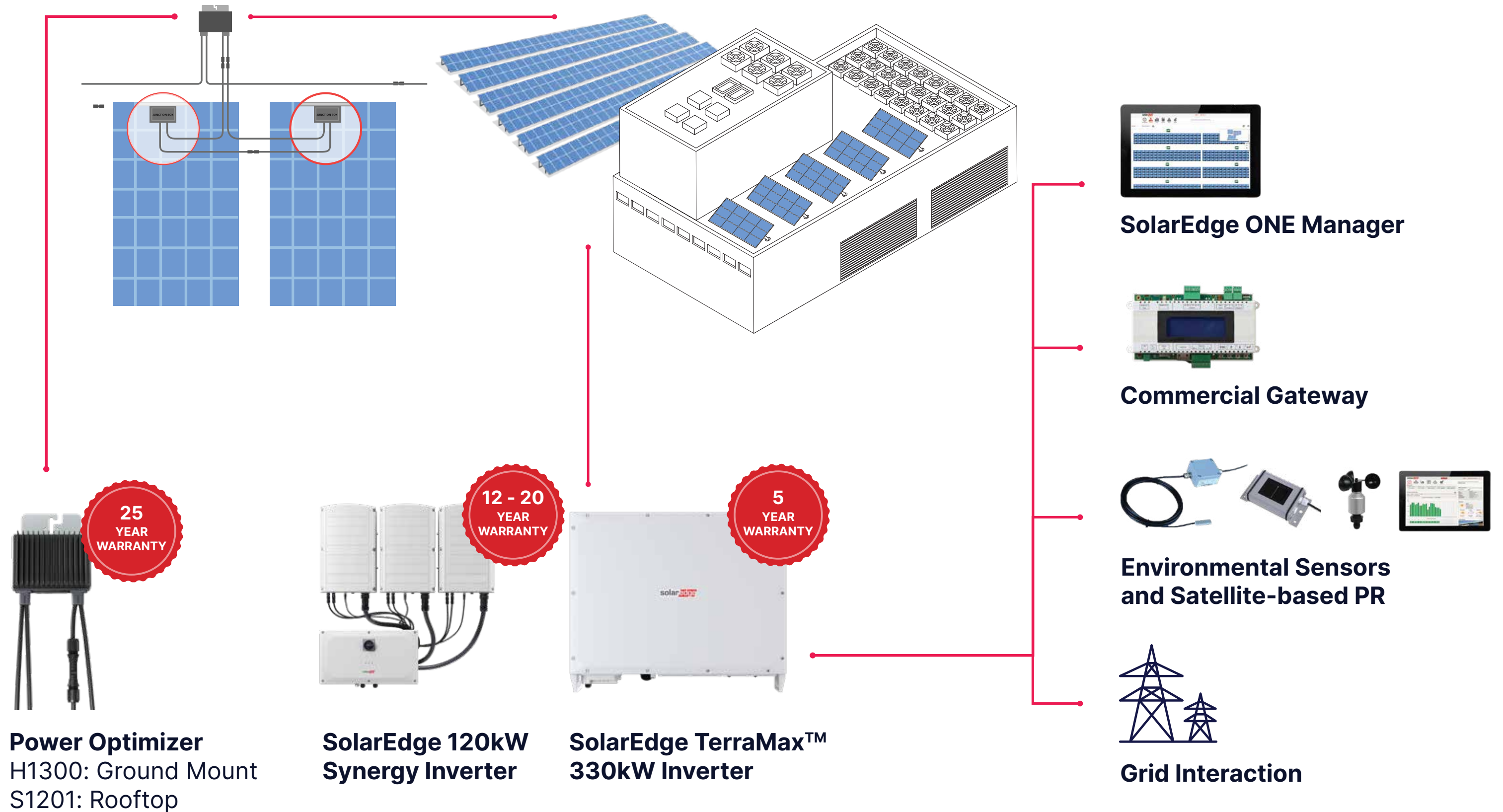
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# Rooftop and Ground Mount Solution

## Big Power. Big Returns.

Why PV investors choose us as their commercial solar partner

SolarEdge's unique, DC-optimized technology turns PV modules into smart modules, generating more energy over the system's lifetime and maximizing ROI. Stay confident with high resolution module-level monitoring & troubleshooting, robust design, and enhanced safety.



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# More Energy = Faster ROI

## DC-optimized for greater efficiency

Module mismatch can be common in rooftop & ground mount, due to soil, uneven topography, varying aging rates of PV modules, and shading caused by clouds, trees, snow, debris or birds. With traditional string inverters, the under performance of one module can impact the performance of the entire string.

With SolarEdge Power Optimizers attached to each module, the under performance of one will not affect the rest of the system, which eliminates mismatch-related power losses, resulting in more energy and better ROI. Our Power Optimizers also reduce power losses associated with bi-facial modules, often caused by reduced surface albedo due to shading, and other factors.

“

*SolarEdge Power Optimizers give us the ability to overcome traditional challenges, like undulating ground and shading. By attaching them directly to independently-operating bifacial modules, we can help ensure maximum energy production.*

”

**James Pochez**

Director of Project Development, Sunlight General Capital


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# Benefits of Module-Level Monitoring and Control

Prevent up to 50% of system issues and maximize uptime with connection to our Monitoring Platform.




**Granular Visibility**

Full visibility of asset performance through module-level monitoring



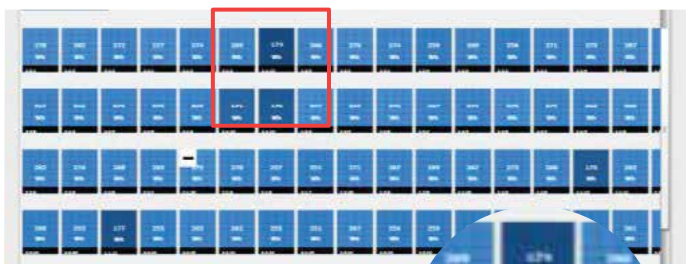
**Automatic Alerts**

Automatic pinpointed alerts simplify the maintenance of large-scale PV sites and enables rapid response



**Remote Troubleshooting**

Remote troubleshooting reduces site visits and time spent onsite



Before cleaning



After cleaning



Spotlight the energy yield of individual modules



Automatic alerts for immediate fault detection, accurate maintenance, and rapid response



## Built to Outlast

Withstand the harshest environments, from hot desert plains to wind & snow

Features include:

- / Humidity resistant
- / Wide temperature range of -40° F to + 140° F
- / Dust and saline-resistant (inverters-IP65)
- / Resistant to ammonia corrosion
- / Longer warranties
- / Option to mount the inverter horizontally under the modules (10-degree inclination)

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## Advanced Safety Features

Safeguarding O&M personnel, property, and the environment during extreme weather events

Features include:

- / Built-in SafeDC™, automatically de-energizing DC cables to a touch-safe voltage during inverter or grid shutdown
- / Arc fault protection through inverter shutdown, minimizing risk of electrical fires
- / Compliant with NEC, UL3741 and UL1699B standards for added confidence & peace of mind

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# Rooftop Solution: 120kW Inverters with Synergy Technology

## / Maximized Performance & Revenue

Increase energy production and revenue with up to 175% DC oversizing and enable more uptime with modular design. Keep panels in optimal condition with built-in nighttime PID (Potential Induced Degradation) rectifier.

## / Longer Warranties

Industry leading 12-year warranty, extendable up to 25 years for inverters.

## / Less Time Onsite

Our innovative pre-commissioning feature gives you confidence that the system is working properly before leaving the site and well in advance of grid connection.

## / Simplified Installs & Servicing

Faster installation with identical, lightweight, modular units. Easy servicing by quick access via the Synergy Manager – no need to open inverter covers for configuration or maintenance.

## / Safe & Robust

Robust design offers extra protection through thermal sensors on DC, AC terminal blocks and monitored/field replaceable Type 2 SPDs (Surge Protection Devices).

## / Cost Effective

Supports single DC input-combining and cost-effective aluminum cables.


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# Ground Mount Solution: SolarEdge TerraMax™ 330kW Inverter

## / More Energy and Revenue

Increase energy production and revenue with up to 200% DC oversizing and enable more uptime with modular design. Keep panels in optimal condition with built-in nighttime PID (Potential Induced Degradation) rectifier.

## / Longer Warranties

Industry leading 5-year warranty.

## / Less Time Onsite

Our pre-commissioning feature helps validate that system components are working properly before COD (Commercial Operation Date), so you can avoid potential project delays.

## / Design Flexibility

A unique 'best of both worlds' virtual central topology that places the inverter in a central location alongside MPPTs in the array, making it ideal for community solar.

## / Lower BoS Costs

Reduce BoS (Balance of System) costs by up to 50% working with fewer strings of up to 80 modules in length.

## / Lower O&M Costs

Reduce plant issues and avoid downtime with 100% system visibility through module-level monitoring.



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# Overcoming a Challenging Install in Rural Rhode Island

SolarEdge Community Solar maximizes energy yield and design flexibility, while reducing O&M costs.

“

*Like many states, Rhode Island is home to a large group of people who are unable to install their own solar – either because they lack the upfront monetary investment to do so, or because their home or business premises are not suitable. Thanks to SolarEdge, we can now bring solar directly to them through community solar, enabling more to share in the economic and environmental benefits of renewable energy. SolarEdge was selected for its ability to overcome traditional challenges to community solar projects, including undulating ground, which can restrict module placement, and shading from nearby trees.*

”

**James Pochez**

Director of Project Development, Sunlight General Capital

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# Community Solar O&M Simplified in New Jersey

Advanced module-level monitoring and remote troubleshooting helps professionals reduce truck rolls and save big on operations & maintenance costs.

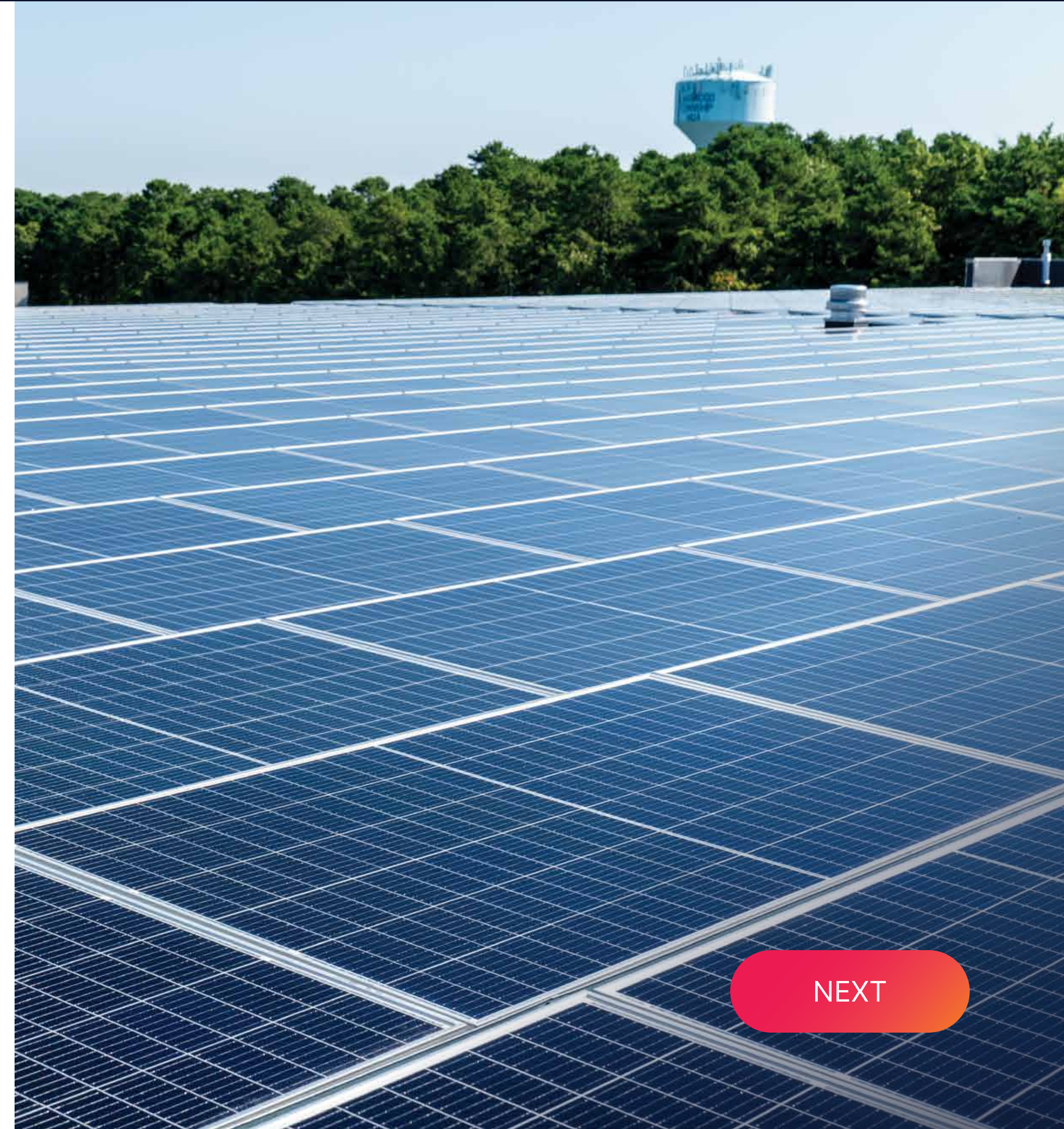
“

*When you have 40 or 50 community solar sites operating, it's important to know what's going on at those sites. The level of granularity that we get with the SolarEdge solution is huge for our O&M team. It prevents them from unnecessarily going to sites and just reduces our overall O&M costs. SolarEdge has always stepped up to the plate to match our demands and our needs and we only see that continuing in the long haul.*

”

**Eric Boehm**

Senior Vice President, Operations, Solar Landscape

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# A Win-Win-Win: Everyone Benefits with SolarEdge

## System Owner / Investor / Developer

- / Higher energy production system uptime, and ROI
- / Industry leading warranties for inverters
- / Industry leading 25-year warranty for Power Optimizers
- / Integrated RS485 and SPDs
- / Enhanced safety
- / Enable third-party administrators of community solar gardens to effectively manage subscribers and bills with high resolution monitoring

## O&M Provider

- / A robust solution with superior remote monitoring and control
- / Modular architecture enables greater system uptime and simplified O&M
- / Enhanced safety

## EPC

- / BoS savings
- / Design flexibility
- / Simplified installation
- / Fast and easy commissioning
- / Enhanced safety

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# About SolarEdge

SolarEdge is a global leader in smart energy, delivering innovative commercial and residential solutions that power our lives and drive future progress. Leveraging world-class engineering and worldwide experience, SolarEdge developed a ground-breaking intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. As a result of this and other innovations, today SolarEdge is the world's #1 solar inverter company in revenue with millions of systems installed in 133 countries. SolarEdge addresses a broad range of smart energy market segments through its PV, storage, EV charging, battery, UPS, and grid service solutions.

Get certified: Become a C&I installation expert with the SolarEdge Commercial Installer Certification Training 2021–North America training.

To learn more about SolarEdge solutions for community solar, please visit:  
[www.solaredge.com/us/commercial-solutions-pv-professionals](http://www.solaredge.com/us/commercial-solutions-pv-professionals)  
Contact: [nacommercialteam@solaredge.com](mailto:nacommercialteam@solaredge.com)

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