



S1500 Power Optimizer
for Commercial Installations

Maximize Efficiency and Savings with Next Generation Power Optimizers

Supercharge your solar installations with this compact powerhouse. The next generation S1500 Power Optimizer allows you to connect up to 30.4kW of power per string, enabling fewer and longer strings, while reducing DC BoS costs.



Built On Years of Innovation

Since 2006, SolarEdge has been driven by a mission to power the future – shipping over 130 million Power Optimizers worldwide. We're continuing to push the boundaries of smart energy with our 5th generation of Power Optimizer – our most powerful and compact Power Optimizer, ever.

Supporting a wide range of commercial sites, including rooftop, ground-mount and carports, the S1500 delivers 99.5% efficiency and the ability to track sunlight at multiple angles through Maximum Power Point Tracking (MPPT).

S1500 Benefits:

- Connect more power per string (up to 30.4kW), for fewer and longer strings*
- Improved power density and record-breaking string output
- Supports the latest high-power PV panels up to 750W panels, including bifacial panels
- Supports M10, G12 and 182-210mm rectangular cells
- SolarEdge Sense Connect technology for connector-level monitoring during production to detect overheating due to installation issues or wear and tear

Shrink BoS Costs. Increase Your Productivity.

The distances between commercial sites can be challenging. The more time you spend traveling, setting up, and troubleshooting, the fewer projects you can handle.

S1500 Power Optimizers reduce installation time on site by enabling longer and fewer strings per array – allowing you to move on to the next project faster!

And through our advanced SolarEdge ONE for C&I monitoring software, you'll see everything down to the panel-level. That means faster responses and fewer truck rolls.



Small, Yet Mighty.

Featuring a slimmer profile*, the S1500 is perfect for challenging installations including confined spaces and pitched roofs. Its sleek design allows panels to sit flush with the roof and blend in with the building envelope.

Slimmer →

More Powerful →



*Compared to the SolarEdge S1200 Power Optimizer

Delivering Next-Level Efficiency

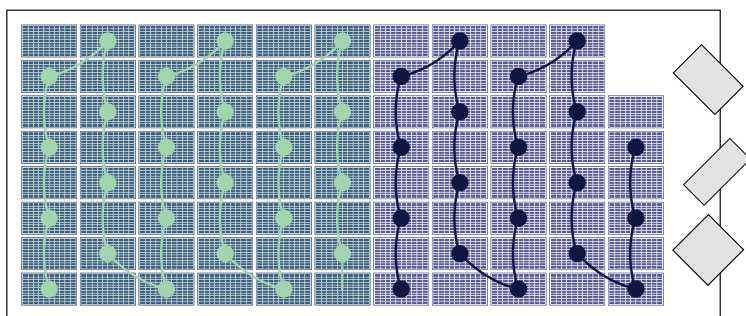
Featuring improved power density and record-breaking string output, our Power Optimizers are compatible with bifacial and G12 panels (currently the market's largest at 210mm x 210mm), so you can design projects with larger panels and connect more power per string.

The Flexibility to Optimize Anywhere

Designed to overcome the many challenges facing commercial sites today – like shading, uneven terrain, strict grid specifications, and robust power requirements – the S1500 has the flexibility you need for maximum site coverage and maximum efficiency.

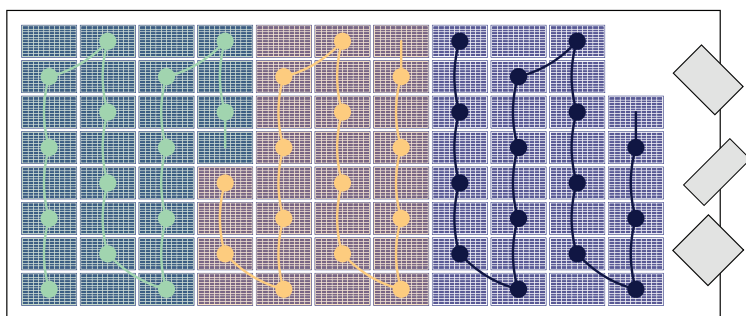
Higher Output Current → **More Power Per String** = **Fewer Strings, Lower BoS Costs**

S1500 Power Optimizer, 2-string design



Fewer and Longer Strings

S1200 Power Optimizer, 3-string design



By including our Power Optimizers as part of your solution, you'll be able to position panels at all angles, tilts, and orientations, making it easy to capture maximum sunshine at every point along the array, including corners and outer edges.

A Smart System Is a Safer System

Nothing is more important than ensuring the maximum protection of people and property.

All S-Series Power Optimizers include SolarEdge patented Sense Connect technology, designed to automatically detect and stop potential arc issues before they start by identifying improper connections and possible malfunctions.

Maximum Protection with Built-In Safety



Quick resolution and maximum uptime with continuous and granular monitoring of the DC array



Early detection of arc risks with Sense Connect and real-time pinpointed alerts that are designed to keep people and assets safe



SafeDC™ to automatically reduce voltage in each panel to 1V if the inverter or grid shuts down

The SolarEdge Advantage



Industry-leading
25-year Power
Optimizer warranty



Robust and reliable
technology



Advanced safety
features built-in



Higher system
energy production

About SolarEdge

SolarEdge Technologies is a global leader in renewable energy technology that applies world-class engineering and innovation to provide solar PV solutions for the residential, commercial and utility segments. SolarEdge brings an optimized approach to generating, storing, managing and consuming energy. The company develops and produces PV inverters and Power Optimizers, energy management and optimization solutions, energy storage and grid services. SolarEdge's DC-optimized technology is installed in millions of homes in over 140 countries, and more than 50% of Fortune 100 companies have SolarEdge technology on their rooftops. SolarEdge is accelerating the transition towards distributed, sustainable energy networks which will optimize energy everywhere.



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