



**S1400 Power Optimizer**  
for Commercial Installations

# Maximize Efficiency and Savings with Next Generation Power Optimizers

Now, you can supercharge your solar installations with this compact, next-generation powerhouse. The new S1400 Power Optimizer allows you to connect up to 30.4kW of power per string, enabling fewer and longer strings\*, while reducing DC BoS costs.

\*Compared to SolarEdge S1200 Power Optimizer





# / Built On Years of Innovation

Since 2006, SolarEdge has been driven by a mission to power the future – shipping over 120 million Power Optimizers worldwide. Today, we're again pushing the boundaries of smart energy with our **5<sup>th</sup> generation** of Power Optimizer - our most powerful and compact Power Optimizer yet!

Supporting a wide range of commercial sites, including rooftop, ground-mount and carports, the S1400 delivers 99.5% efficiency and the ability to track sunlight at multiple angles through Maximum Power Point Tracking (MPPT).

## S1400 Power Optimizer Benefits:

- / Connect more power per string (up to 30.4kW), for fewer and longer strings\*
- / Supports high-power PV panels up to 700W panels, including bifacial panels
- / Supports M10, G12 and 182-210mm rectangular cells
- / Advanced design options and flexibility
- / SolarEdge Sense Connect technology for connector-level monitoring during production to detect overheating due to installation issues or wear and tear

\*Compared to SolarEdge S1200 Power Optimizer



# / 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.

The new compact size and slimmer profile of the S1400 Power Optimizer lends to simple, more cost-effective installations, especially in challenging spaces so you can move on to the next project faster!

And through our advanced Monitoring Platform, you'll see everything down to the module-level. That means faster responses and fewer truck rolls.

# / Delivering Next-Level Efficiency

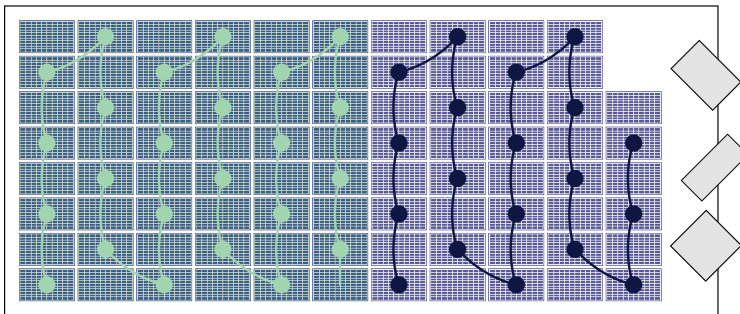
Featuring improved power density and record-breaking string output, our new Power Optimizers are compatible with bifacial and G12 panels (currently the largest panels available on the market at 210mm x 210mm), so you can design projects with larger panels and connect more power per string.

## / 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 S1400 Power Optimizer has the flexibility you need for maximum site coverage and maximum efficiency.

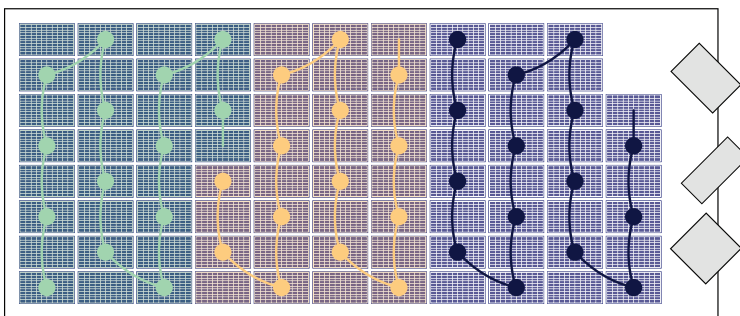
Higher Output Current → More Power Per String = Fewer Strings, Lower BoS Costs

S1400 Power Optimizer, 2-string design



**Fewer and  
Longer  
Strings**

S1200 Power Optimizer, 3-string design



By including SolarEdge 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 module to 1V when the inverter 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 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. Over 50% of Fortune 100 companies have SolarEdge technology on their rooftops and the company (SEDG) is traded on Nasdaq.