

SolarEdge Power Optimizers Designed for Today's Solar Panels

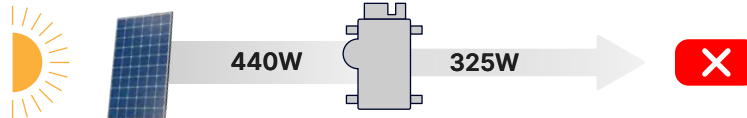
Panels are more powerful than ever.

Solar panel wattages are on the rise – and this is good news for homeowners who have the right technology. If not, they may be losing crucial power on every solar panel.

SolarEdge Power Optimizers
Designed for panels up to 650W to ensure the power keeps flowing



Microinverters “Designed” for large panels, but can often only produce up to 325W, resulting in an effect called “microclipping”

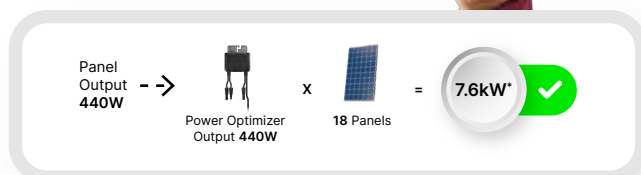


What does this mean for homeowners?

To get the full power from their panels, homeowners must ensure they choose the right technology under each panel, otherwise their system may not produce what they were promised. Take the example below:

Homeowner #1

Purchased 18 440W panels and was told his system could produce 7.6kW using **SolarEdge Power Optimizers**.



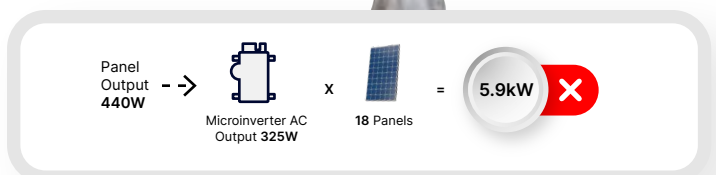
Because Power Optimizers are built for high-wattage panels, this homeowner's system is producing what they expected.



*With 7.6kW inverter

Homeowner #2

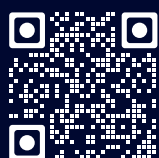
Purchased 18 440W panels and was told his system could produce 7.6kW using **microinverters**.



While the panel generates 440W of power, the microinverter only produces 325W, wasting the rest, resulting in a system that delivers less than what they expected.



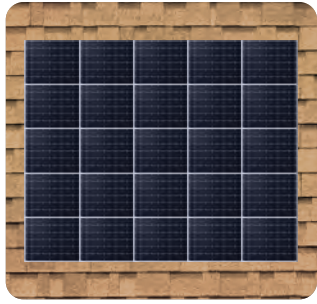
Bottom Line: Get the most from your system with a SolarEdge optimized inverter, and avoid suffering the consequences of microclipping.



Scan to
learn more

Add more modules per string without costly main panel upgrades*

SolarEdge Technology

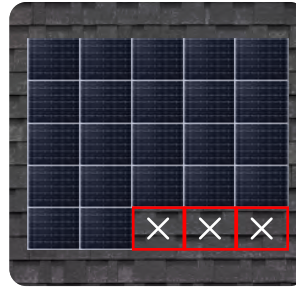


Homeowner #1

- ✓ No MPU
- ✓ Higher offset
- ✓ Lower cost

*Assumes 420W panels, 7.6KW inverter, and standard 140% oversizing.

Microinverter



Homeowner #2

- ✗ MPU Risk
- ✗ Lower offset
- ✗ Higher cost

Don't let your warranty get microclipped

Get a true 25-year* system warranty with SolarEdge

SolarEdge Technology

- ✓ Roof Equipment
25 years
Power Optimizer



Wall Equipment
12-25 years
Inverter



*With warranty extension

Microinverter

- ✓ Roof Equipment
25 years
Microinverter



Wall Equipment
5 years
Combiner Boxes



Don't let extra conversions microclip your battery's energy

SolarEdge Home DC-coupled batteries convert your energy ONLY once, delivering more energy & greater savings



No conversion on the roof

No conversion to store in battery

One conversion to power home

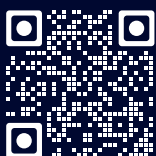
AC-coupled batteries convert your energy 3 times!



Once at the roof

Once to get stored in battery

One more time to power home



Scan to
learn more

©SolarEdge Technologies, Ltd. All rights reserved.
Subject to change without notice. Rv: 04/2025/V1/NAM

www.solaredge.com