



The Smart Energy Ecosystem

Get up to 10% More Energy.* Year After Year.

The System Works as One
High-efficiency and seamless control from mySolarEdge App.

Back-Up Power when you Need it Most
Designed for short and long-term power outages.

Optimized Energy and Savings from Your Panels
Save up to \$28,129 in utility rate charges over the life of the system*.

Learn More



Over 4 million systems installed around the world

SolarEdge Power Optimizers
Module-level control optimized for shading. Engineered for high-wattage panels.

SolarEdge Home Battery
Store solar during the day and use during peak rate periods to save. Plus, keep the power on during an outage.

SolarEdge Home EV Charger
Drive on sunshine and charge up to 25% faster with Solar Boost Mode.



SolarEdge Home Hub Inverter
Our flagship inverter with 99% world class efficiency.

mySolarEdge App
Manage your entire energy ecosystem from the mySolarEdge App.

SolarEdge Home Load Controller
Control large appliances using the mySolarEdge App for longer backup and more savings.

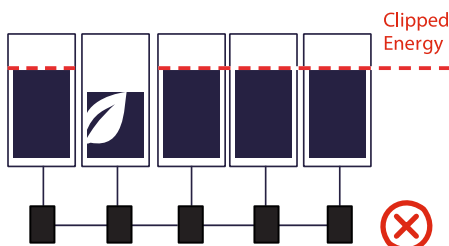


Optimized Inverters: More Energy, Savings, and Safety



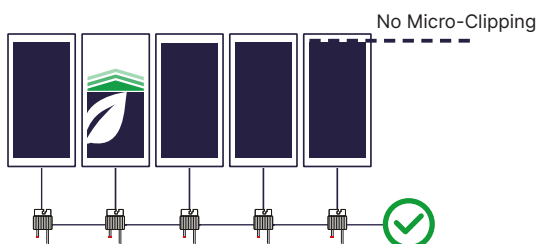
First Generation: String Inverters

- No panel level control. String limited to weakest module
- Lost energy due to shading, soiling, and roof obstructions
- Limited panel-level rapid shut down on (Higher voltages on roof)



Second Generation: Micro-Inverters

- Small panel-level inverters (Multi-points of failure on roof)
- Micro-clipping at panel (High wattage panels under perform)
- Triple-conversion penalty with a battery (Extra conversions means lost energy)



Today's Solar: Optimized Inverter

- Panel level controls + powerful central inverter
- Optimized for today's high wattage panels
- Sense Connect Technology and SafeDC™ for added safety

Bonus Energy from Optimization

Up to 10% MORE Energy. Year After Year.

Benefit	Typical String Inverter	Typical Micro-Inverter	Optimized Inverter
Round-Trip Efficiency	89%	89%	94.5%
High-Wattage Panel Capabilities	★ ★ ★	★ Micro-Clipping	★ ★ ★ ★ ★
Panel-Level Safety	★ No Rapid Shutdown up to 1,000V per MCI	★ ★ ★ Yes	★ ★ ★ ★ ★ Yes SafeDC™ Technology Sense Connect Protection
Optimized DC-Coupled Technology	★ No Optimization	★ AC-Coupled Design	★ ★ ★ ★ ★ Optimized DC-Coupled System



SolarEdge Home is the smart energy ecosystem that optimizes energy everywhere. From award-winning inverters and batteries, to EV chargers and smart energy devices, now you can produce more solar energy from today's high-wattage panels.

*Savings modeled in Aurora. Assumption Set Includes: 9.6kW PV system size. Location: Cupertino, CA. Utility: PG&E 2024 E-ELEC Part Peak Summer Time Rates. Rate escalator: 6% annual. Annual system degradation rate: 0.5%.



SolarEdge Technologies



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SolarEdgePV



SolarEdgeNorthAmerica

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