

The Complete Residential Solar Offering

Simple, flexible,
future-ready

Smarter solar panels



Solar panels with integrated Power Optimisers, for faster installations, higher production, and greater convenience

Full visibility



Reduced O&M costs with free panel, string, and system-level performance monitoring for the system lifetime

More energy



Maximised energy output with MPPT per panel and mitigation of panel power losses

Future-ready



Install more panels later, or upgrade to solutions likely needed in future such as battery storage, EV charging, or home automation

Design flexibility



Longer strings, of uneven lengths, with multiple panel types and orientations in the same string

Complete PV solution



Full system offering backed up by a reliable supply chain, with warranty and service, all from SolarEdge

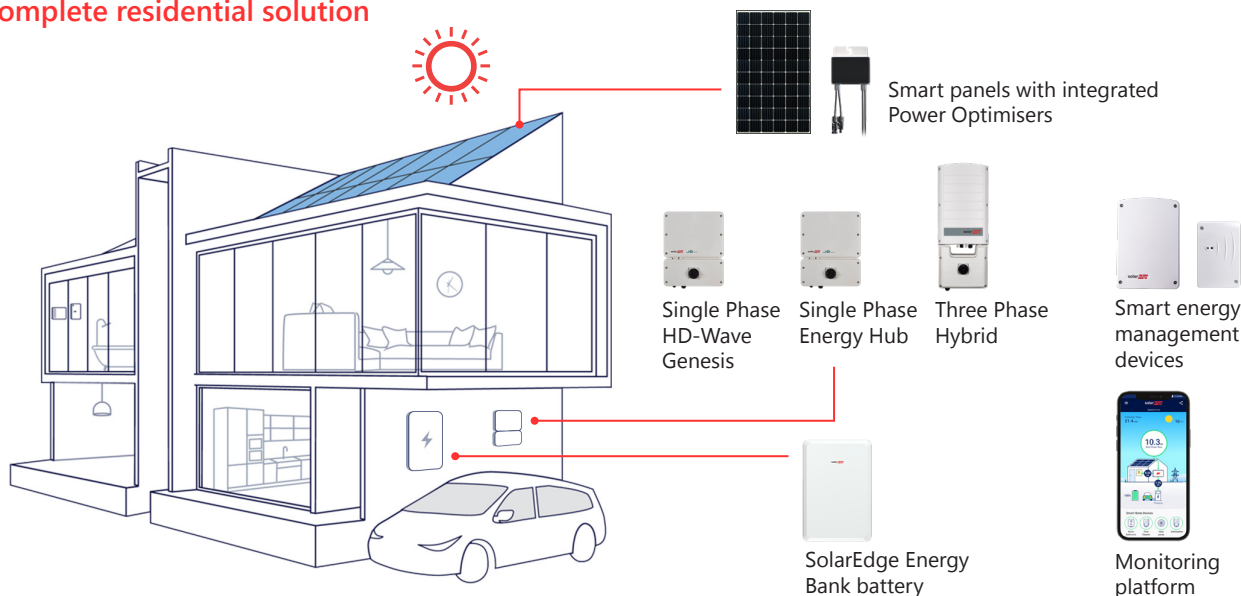
/ One Vendor for All Your Solar Needs

SolarEdge has deployed class-leading solar panels, integrated with Power Optimisers, to combine with its award-winning inverters and energy management systems. Deliver the ultimate residential solution from just one solar vendor.

We know PV

As a global leader in solar technology, SolarEdge's solar panel expertise comes from selling over 78 million Power Optimisers, compatible with hundreds of different panel types installed on every kind of roof, in 133 countries.

A complete residential solution



SolarEdge vs. String Inverters

	SolarEdge DC optimised inverter solution	Typical string inverter solution
More energy <ul style="list-style-type: none"> Mitigation of panel power losses e.g. shading, soiling, panel ageing MPP tracking per panel for optimised energy production Faster ROI 	✓	✗
High reliability <ul style="list-style-type: none"> Up to 99% inverter efficiency for less heat dissipation and longer lifetime 12-year inverter warranty, low cost extensions to 20/25 years 	✓	✗
Simplified designs <ul style="list-style-type: none"> Multiple panel types and orientations in each string Built-in communication options Long and uneven strings 	✓	✗
Advanced safety <ul style="list-style-type: none"> Touch-safe DC voltage when the inverter is off or disconnected, protecting installers, maintenance crew, and firefighters Built-in arc fault detection capabilities 	✓	✗
Panel-level monitoring <ul style="list-style-type: none"> Performance monitoring, from anywhere, anytime Remote maintenance for lower O&M costs Higher system uptime 	✓	✗