



Optimize The Easy Way With SolarEdge Smart Modules

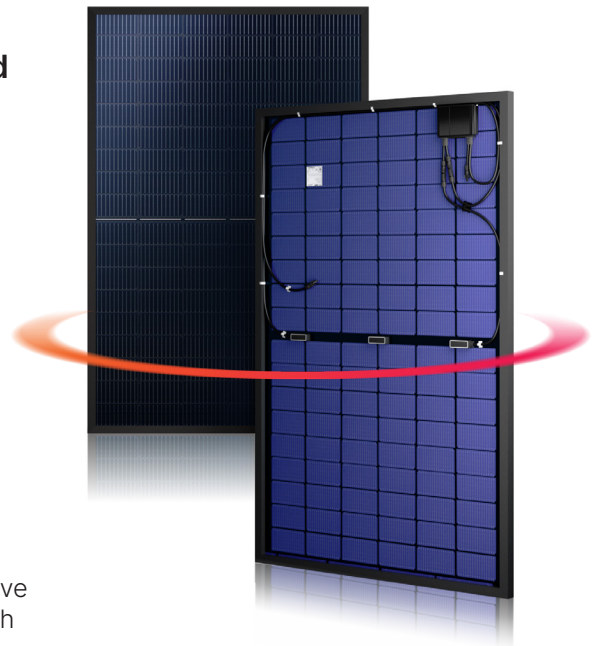


SolarEdge Smart Modules are integrated with pre-assembled Power Optimizers, enabling **faster and easier installation, simplified logistics, and easier servicing- from a single trusted vendor**. It combines SolarEdge's leading DC optimization technology with enhanced module performance for greater module output, straight out of the box.

Trusted Vendor

As a global leader in solar technology with Tier 1 manufacturing capabilities, SolarEdge's solar module expertise comes from selling over 122 million Power Optimizers, compatible with hundreds of different module types installed on every kind of roof, in over 140 countries.

The Smart Module is manufactured on a production line with extensive testing, carrying the SolarEdge seal of approval, further ensuring high quality and reliability.





More value for installers

Complete your SolarEdge Home portfolio with SolarEdge Smart Modules - for easier system design and additional benefits



Easy Installation

Time-saving preassembled Power Optimizers

- Reduced installation time and costs-no need to mount the Power Optimizer separately and manage the cable layout
- Faster mapping of the physical site layout in the Monitoring Platform- single scan only for both the module and the Power Optimizer



Single Trusted Vendor

Full offering & complete service from SolarEdge

- Inverters & Smart Modules with integrated Power Optimizers, all from one solution provider with a single part number
- Streamlined logistics- fewer parts to order, easier servicing, and a single product warranty
- Simplified system design
- Seamless Connectivity with the complete SolarEdge Home ecosystem using SolarEdge Home Network
- Single Warranty-25 years product & linear performance warranty, covering both the module and the Power Optimizer



Advanced Safety

Delivering maximum protection

- SafeDC™ enabling module-level voltage shutdown whenever inverter or AC power is turned off, for maximum installer and firefighter safety
- Sense Connect patented technology- the safety feature that automatically detects and prevents potential electric arcs at the connector level*, that may cause fire events

* Functionality subject to inverter model and firmware version



More value for homeowners

SolarEdge Smart Modules enhance an already powerful residential offering



Harvest More Energy

Optimized home solar power everyday

- Mitigation of diverse types of module power losses
- Optimized energy output of each individual module
- Advanced N-type TOPCon technology, designed to provide greater module efficiency and high-level reliability
- Bifaciality- harvest more from tilted roofs, with an expected gain of +2%-4%*
- Maximum design flexibility



Premium PV Modules

Boost performance & aesthetics

- High durability to extreme weather hazards
- Peace of mind with excellent product, 25- year warranty and enhanced module reliability
- Elegant black/white module designs for improved curb appeal

- 1.6mm double glass*
- Ammonia test according to IEC 62716:2013
- Salt mist according to IEC 61701:2016
- PID testing method according to IEC TS 62804-1:2015
- 35mm Hail testing according to IEC 61215-2:2016

*1.6mm double glass is available in TOPCon technology



Future Ready

Grow as your energy needs develop

- Easy upgrades to battery storage and smart energy solutions, with a truly future-proofed system
- Integrates seamlessly with the complete SolarEdge Home ecosystem using SolarEdge Home Network



Leader in Safety

Holistic safety suite

- SafeDC™ enabling module-level voltage shutdown whenever inverter or AC power is turned off, for maximum safety
- Sense Connect patented technology- the safety feature designed to automatically detect and prevent potential electric arcs at the connector level**, where fire events may occur

* According to SolarEdge tests (December -February 2024), based on 3 sites with multiple orientation facets. Module-roof space: 12-13 CM.

** Functionality subject to inverter model and firmware version

The Power Optimizers advantages with additional benefits

SolarEdge S-Series Power Optimizer - maximize the amount of energy each solar module produces and mitigate diverse types of module mismatch-loss

Harvest More Energy

Module Level Monitoring Platform

Advanced Safety

Seamless Connectivity with the complete SolarEdge Home ecosystem

Long-term 25-year warranty

With SolarEdge Smart Modules - you get all this and also:



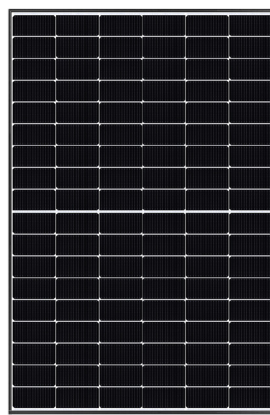
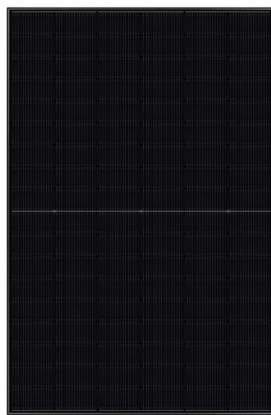
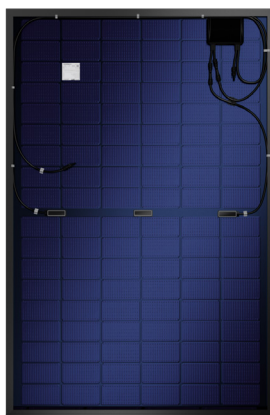
Easy Installation

With the pre-assembled Power Optimizer



Single Trusted Vendor

Full offering & complete service from SolarEdge



SolarEdge Home is a personal home energy ecosystem, designed to adapt to homeowners' changing energy needs, preferences, and lifestyles, day and night. This complete ecosystem combines patented SolarEdge PV technology, including Power Optimizers, the SolarEdge Home Hub and Wave Inverters and SolarEdge Home Battery, plus innovative smart energy devices all controlled from the mySolarEdge app. With SolarEdge Home, homeowners can reduce their electricity bills, lead more sustainable lifestyles, and grow their system as their needs evolve.



SolarEdge

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