

Single Phase Inverter with Compact Technology

Powering small PV systems
of 4 to 8 solar panels



solar**edge**

Affordable, Green Electricity

A Compact Solution for Small Rooftops

The SolarEdge residential DC-optimised inverter solution is ideally suited to homes with limited roof space, social housing projects, and for meeting minimum sustainability requirements. Easily installed on both existing rooftops and new builds, this inverter solution delivers clean, affordable, efficient, and safe energy.

Reap the Benefits



More Power and More Revenue

With SolarEdge, maximum power is produced from each solar panel individually. Underperforming panels do not affect the performance of neighbouring panels, enabling more energy to be harvested from the PV system.

Long-Term Warranties

- / Products are field proven and built for lasting performance
- / Enjoy peace of mind with long-term warranties
 - / 25 years for power optimisers
 - / 12 years for inverters (optional affordable extension to 20/25 years)
 - / 25 years free system monitoring

Exceptional Safety

As with all SolarEdge systems, the SafeDC™ feature is included for increased PV safety.

SafeDC is designed to reduce the PV system's high voltage to a touch safe level, whenever the grid or inverter is shut down. This reduces the risks to maintenance personnel, firefighters, homeowners, and property.



Real-Time Monitoring and Control

Ensure your PV systems always perform at their peak ability by connecting them to the free SolarEdge monitoring platform. Benefit from panel-level visibility of system performance, and remote troubleshooting with pinpointed, automatic alerts. Lower O&M costs through less site visits, and higher system uptime.

Monitor Individual or Multiple PV Systems

- // User-friendly interface
- // Comprehensive reporting tools, including one report for multiple systems
- // Comparison of PV site production across the fleet
- // Multiple filtering options for organising key performance data



Flexible Inverter Communications

Choose from two different inverter panels, depending on your project requirements, for maximum cost effectiveness:

- // **Basic** - for installations where monitoring connectivity isn't required.
- // **Extended** - for installations requiring monitoring connectivity. Includes built-in Ethernet and Wi-Fi with additional connectivity options purchased separately such as ZigBee® and Cellular plug-ins. Connection to an energy meter and smart energy products (purchased separately) is also supported.



The Ideal Solution for Small PV Systems



The SolarEdge solution includes a single power optimiser with four Maximum Power Point Trackers (MPPT) for harvesting more energy from each panel. Each MPPT connects to one or two 60-cell panels or one 72/96-cell panel, and works exclusively with the new SolarEdge single phase inverter with compact technology. The inverter is extremely compact, easy to install, and is available in 1kW, 1.5kW, and 2kW sizes.



Power Optimiser

Connects to 4-8 panels on the roof, creating intelligent panels

- Panel-level MPPT - no mismatch power losses
- Panels on multiple azimuths and tilts for optimal roof utilisation
- SafeDC™ - designed for automatic panel-level safety shutdown



Solar Inverter

A simple and reliable inverter

- Responsible for DC to AC conversion only, as all other functions are handled separately for each panel by the power optimiser
- Extremely compact, very lightweight, and easy to install
- Wall mounted, suitable for indoor or outdoor installation



Monitoring Platform

Real-time monitoring at panel, string, and system levels

- Full visibility of PV system performance
- Pinpointed and automatic alerts on system issues
- Accurate and remote troubleshooting for higher system uptime
- Effective fleet management

About SolarEdge

SolarEdge is a global leader in smart energy technology. By deploying world-class engineering capabilities and a relentless focus on innovation, we create smart energy products and solutions that power our lives and drive future progress.

- SolarEdge
- @SolarEdgePV
- @SolarEdgePV
- SolarEdgePV
- SolarEdge
- infoUK@solaredge.com

solaredge

solaredge.com

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