# Single Phase Inverter with Compact Technology

Powering small PV systems of 4 to 8 solar modules

solaredge

# Affordable, Green Electricity

## A Compact Solution for Small Rooftops

The SolarEdge residential DC-optimized 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 module individually. Underperforming modules do not affect the performance of neighbouring modules, 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 optimizers
  - 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 module-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 organizing key performance data

## Flexible Inverter Communications

Choose from two different inverter models, 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 optimizer with four Maximum Power Point Trackers (MPPT) for harvesting more energy from each module. Each MPPT connects to one or two 60-cell modules or one 72/96-cell module, 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 Optimizer

**Connects to 4-8 modules on the roof, creating intelligent modules**

- Module-level MPPT - no mismatch power losses
- Modules on multiple azimuths and tilts for optimal roof utilization
- SafeDC™ - designed for automatic module-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 module by the power optimizer
- Extremely compact, very lightweight, and easy to install
- Wall mounted, suitable for indoor or outdoor installation

## Monitoring Platform

**Real-time monitoring at module, 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.

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