

SolarEdge Home Product Guide

SolarEdge Home is a personal, 24-hour home energy management system that controls and optimises energy production, consumption, storage & backup in real-time. This complete ecosystem includes the following products:



Power Optimiser

Maximise the amount of power each panel produces while providing panel-level safety and visibility

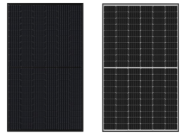


Video



S440-S500

! SolarEdge Sense Connect: Designed to prevent electric arcs for a higher level of site protection



Smart Panel

With integrated Power Optimisers and half-cut panel technology, each panel provides more power

! Reduced installation time and costs

! Panel options, up to 375W*



Smart Panel



Smart Panel webpage



SolarEdge Home Hub Inverter

Serves as the core of smart home energy, wirelessly managing the battery, backup power, EV charging, and smart energy devices

! Single phase inverters: 3kW-10kW*



Hub Inverter



SolarEdge Home Genesis Inverter

Optimised for PV, supports upgrade to on-grid battery storage

! Single phase inverters: 3kW-10kW



Genesis Inverter - Single Phase



SolarEdge Home Battery

A DC-coupled storage solution providing higher overall system efficiency

! 10kWh battery for single phase systems

! Includes comprehensive, advanced safety features



BAT-01



BAT-02



SolarEdge Home Backup Interface

Automatically provides backup power to home loads in the event of grid interruption

! Seamless integration with the SolarEdge Energy Hub Inverter to manage and monitor both PV generation and energy storage



Backup Interface



EV Charging Single Phase Inverter

An integrated PV/EV charging solution that enables homeowners to drive on solar power



EV charging single phase inverter

! Combines sun and grid power for faster charging than standard EV chargers using home power



SolarEdge Home EV Charger

An integrated PV/EV charging solution that enables homeowners to drive on solar power



EV Charger

! Wi-Fi enabled, level 2 charging station, with up to 32A (7.4kW) charging power



SolarEdge Home Smart Energy Devices*

A suite of smart energy products that help the homeowner achieve lower electricity bills, increased energy independence, and provide greater convenience

! SolarEdge Home Hot Water Controller

! SolarEdge Home Smart Switch



Hot Water controller



Load Controller



SolarEdge Home Load Controller



SolarEdge Home Network Plug In

One communication platform for seamless device connection within the SolarEdge Smart Energy Management ecosystem

! Simple plug and play connection to the inverter

! Faster, easier, cleaner installations

! Field-proven wireless technology Mesh network



Network



Home network plug in webpage



SolarEdge Home Inline Meter

An easily installed, highly accurate production and consumption metering solution

! Easily fits into standard electrical distribution cabinets

! ±1% accuracy for export/import, production and consumption energy readings



Inline Meter



Home inline meter webpage



mySolarEdge App

The homeowner's App that tracks and controls PV system production and household energy consumption

! Real-time system visibility at the panel level

! One app to control the full SolarEdge Home suite



mySolarEdge webpage



SolarEdge Commercial Product Guide



Three Phase Inverters

- Fixed voltage inverters for superior efficiency and longer strings
- Integrated arc fault protection and optional rapid shutdown



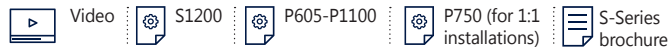
Three Phase Inverters with Synergy Technology

- 50kW-100kW models
- Combines large capacity with ease of installation
- Reduces time onsite with automatic system validation before grid connection



Power Optimisers

- P605-P1100 and S1200 models for panel outputs up to 600W
- Panel-level optimisation with 1:1 or 2:1 PV panel to Power Optimiser ratio
- Advanced safety features for maximum protection of people and property
- Includes SolarEdge Sense Connect which avoids thermal issues via early detection of improper connector issues or malfunctions (S-Series models only)
- Supports all panel types including high power and bi-facial



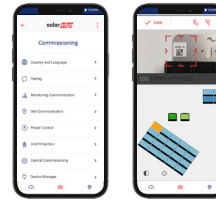
Monitoring Platform

- Free, real-time system visibility at the panel level, anytime, anywhere
- Pinpointed alerts for faster maintenance and higher system uptime
- Dedicated Monitoring installer app and mySolarEdge app for system owners



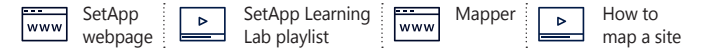
SolarEdge Designer

Online tool to plan, build and validate your SolarEdge systems from inception to installation



Installation and Commissioning Tools

- SetApp: Easy inverter commissioning direct from the installer's smartphone
- Mapper: Quick creation of virtual site maps in the Monitoring Platform via a mobile app



Communications Devices

Multiple options for wireless connection of inverters to the SolarEdge monitoring server, such as Wi-Fi and cellular



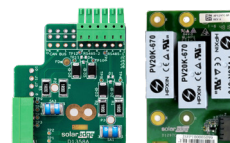
Energy Meter & Current Transformers

- Supports high accuracy production/consumption monitoring, and export limitation
- CTs up to 3000A available



Performance Monitoring

Calculate site performance ratio and measure environmental conditions



Surge Protection Devices

Protect the AC/DC power lines and RS485 communication buses of SolarEdge Three Phase Inverters from electrical surges, such as lightning.

