



SolarEdge Commercial Product Guide - for International Markets

SolarEdge commercial solutions are driven by our DC-optimized technology, diverse product offering and industry-leading PV safety features. Together, they help us meet the growing demand and complexities of the rapidly evolving commercial solar market, and provide our partners with the capabilities to power their PV business.



Three Phase Inverters

Maximizes energy production and safety for commercial PV projects

- 25kW-40kW models, with 175% oversizing
- Fixed voltage inverters for superior efficiency and longer strings
- Integrated arc fault protection and optional rapid shutdown



25kW-33.3kW @400V, 40kW @480V grid datasheet



40kW @480V grid



Three Phase Inverters with Synergy Technology

Ideal for commercial and industrial rooftops, agrivoltaic, carports, floating PV, and more

- 66.6kW-120kW models with 175% oversizing
- Combines large capacity with ease of installation
- Streamlined cabling and lower BoS costs with single DC connection option



Video



66.6kW-100kW @400V grid, 120kW @480V grid



Brochure



S-Series Power Optimizers

Maximizes PV module production and lowers DC BoS costs while providing module-level preemptive safety and visibility

- S-Series models include: S1000, S1200, S1400
- Advanced safety features for maximum protection of people and property
- Compatible with all module types including high power, bi-facial and G12 (for S1400)



Video



S1000-S1200 datasheet



S1400 datasheet



S1000-S1200 brochure



S1400 brochure



SolarEdge TerraMax™ Inverter and H1300 Power Optimizer

Specifically designed for ground mount and dual-use solar projects

- **Increase BoS savings:** Flexible design with longer and fewer strings of up to 80 modules
- **Deliver more energy:** Up to 200% DC oversizing, 99% efficiency and 100% power at high temperature levels
- **Lower O&M costs:** Fewer truck rolls with continuous and granular monitoring



Datasheet



Brochure

Commercial Storage Systems

Allows businesses to unlock their full energy potential with multiple storage solutions



SolarEdge CSS-OD **NEW***

- 102.4kWh rated outdoor battery with 50kW battery inverter
- Delivered in a pre-assembled cabinet for minimal on-site work
- Customize AC-coupled sites with up to two batteries per SolarEdge inverter**, scaling up to MWh-size sites
- Advanced safety features including fire detection and double fire suppression mechanisms



Datasheet



Brochure



CSS-OD Safety brochure



SolarEdge Battery 48V*

- Enables stacking of multiple battery modules per inverter for increased capacity (up to 69kWh per site)
- Indoor/outdoor, on-grid battery featuring 94.5% round-trip efficiency
- Integrates seamlessly with SolarEdge Three Phase & Synergy Technology inverters (requires connection of SolarEdge Home Hub Inverter - Three Phase)



Datasheet



Brochure



48V Battery Design Guidelines

* For expected availability in your region, please check with your local SolarEdge representative

** Does not support SolarEdge TerraMax inverters



SolarEdge EV Charger

Enables commercial EV charging stations that harness the power of the sun

- Utilize excess solar production for EV charging
- Up to 32A/22kW charging power
- ME/MID compliant
- OCPP compatible
- Optional RFID card



Datasheet



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SOLAREGE COMMERCIAL SOLUTIONS

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SolarEdge ONE for C&I **NEW**

A cloud-based energy optimization platform, designed specifically for C&I energy professionals. Optimizes the performance of all onsite energy assets to help save costs and lower operational expenses.

A single ecosystem for energy optimization

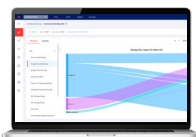
- Optimizes site production, consumption and storage
- One place to manage and monitor all onsite energy infrastructure, including PV, storage and EV chargers
- Saves on complicated third-party integrations

Enables data-driven decisions and actions

- Orchestrates decision-making based on customer definitions and market conditions
- Provides real-time insights from fleet and site levels down to individual modules, devices and battery cells

Includes comprehensive O&M capabilities

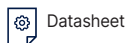
- Digital Twin tool that merges a site's virtual representation with real-time data for quick site inspections and detailed performance analysis
- Reduced time on site with remote device configuration and troubleshooting
- Extensive pre-configured and customizable charts enabling a deep dive into site operation
- Automated alerts ensuring proactive maintenance and fast resolution



SolarEdge ONE Controller for C&I **NEW***

Onsite gateway that seamlessly integrates a facility's energy infrastructure.

- Combines with SolarEdge ONE for C&I to optimize the use of locally generated energy for lower energy charges
- Complies with grid regulations to enable safe, reliable electricity generation (PPC)
- Gathers data and conducts in-depth analysis for professional operations and maintenance (O&M) purposes
- Pre-integrated with digital weather sensors and an energy meter
- Includes cybersecurity mechanisms designed to protect the local network from unauthorized access



Datasheet

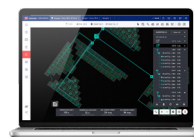
* Currently available as part of the SolarEdge CSS-OD battery solution only. Must be purchased separately.



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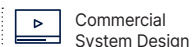
SolarEdge Designer

Plan C&I PV projects for maximizing and optimizing energy production, storage and backup

- AI-assisted roof detection and 3D roof modeling
- AutoCAD import/export support
- Smart DC & AC cabling calculation provides accurate yield to costs



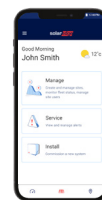
Designer
Overview



Commercial
System Design



Designer
webpage



Installation and Commissioning Tools

SolarEdge Go*: The new on-the-go app for SolarEdge professionals that consolidates solar installation, site & fleet monitoring, alerts management, and remote services for streamlined end-to-end operations.



SolarEdge Go
webpage

SetApp: Quick PV system commissioning, pairing and configuration directly from the installer's mobile device.



SetApp
webpage



Energy Meter

Supports high accuracy production/consumption monitoring, and export limitation



Energy Meter with
Modbus Connection



Delta Grid
Energy Meter



Surge Protection Devices

Protects the AC/DC power lines and RS485 communication buses of SolarEdge commercial inverters from electrical surges, such as lightning.



AC/DC SPD for
Synergy Inverters



AC/DC SPD for
Three Phase Inverters



RS485 SPD

* Current release supports monitoring features only, with additional functionality coming soon