

# SolarEdge Commercial Product Guide - for Europe

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

- 20kW-33.3kW models, with 175% oversizing
- Fixed voltage inverters for superior efficiency and longer strings
- Integrated arc fault protection and optional rapid shutdown



Datasheet



# Three Phase Inverters with Synergy Technology

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

- 66.6kW-100kW models with 175% oversizing
- Combines large capacity with ease of installation
- Streamlined cabling and lower BoS costs with single DC connection option





Datasheet





# **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, S1500
- Advanced safety features for maximum protection of people and property
- Compatible with all module types including high power, bi-facial and G12 (for S1500)





® S1000-S1200







S1500 brochure



# SolarEdge TerraMax<sup>™</sup> 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





# **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





CSS-OD Safety



### 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)







- \* For expected availability in your region, please check with your local SolarEdge representative
- \*\* Does not support SolarEdge TerraMax inverters



# SolarEdge ONE EV Charger

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

- For single and three phase installations, both indoor and outdoor
- · Socket or tethered with a cable lock
- Supports RFID Authentication, mobile app, and plug-and-play charging initiation
  - Datasheet Brochure

- Sleek, compact, and installationfriendly
- Optional MID meter and hardware ready for ISO 15118 Plug & Charge\*



SCAN TO LEARN MORE ABOUT

\* Available with the SolarEdge ONE EV Charger Pro model only; coming soon

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### SolarEdge ONE for C&I NEW

A cloud-based energy optimization platform that optimizes the performance of all on site energy assets for lower costs and operational expenses.

A single ecosystem for energy optimization

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



#### Enables data-driven decisions and actions

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





- 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



ONE for C&I webpage





## 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 advanced cybersecurity mechanisms designed to protect the local network from unauthorized access



\* Currently available as part of the CSS-OD battery solution only, purchased separately.



SCAN TO LEARN MORE ABOUT SOLAREDGE COMMERCIAL SOLUTIONS

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# SolarEdge Designer

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

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



Commercial

Designer



# **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



# **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

