

Enable zero export to grid in Spain – Application Note

The outlined SolarEdge commercial inverters now comply with UNE217001: 2020-10 and Spain ITC-BT-40 (RD 244/2019) zero export to grid regulation.

Revision History

Feb 2024 - Change in supported system inverters

Jan 2024 - Release

Overview

Most commercial sites in Spain are not allowed to export surplus power from a PV system to the grid. When there is a surplus in power supply, regulation ITC-BT-40 (RD 244/2019) requires the site in Spain to reduce production of power within two-seconds. SolarEdge commercial inverters and components comply with the two-second period as required by UNE 217001: 2020-10 and ITC-BT-40 (RD 244/2019). For details, see the [SolarEdge certification](#).

Supported systems

Only the following setups are guaranteed by SolarEdge to comply with zero export in less than 2 seconds:

- SE-MTR-3Y-400V-A, see [Energy Meter with Modbus Connection datasheet](#)
- Inverters:
PV systems with up to 10 commercial inverters. Commercial inverters may include any combination of Three Phase Inverters (PN: SExxxK-xxxxlxxxx) and Three Phase Inverters with Synergy Technology (PN: SExxK-xxxxlxxxx).
- Inverter Firmware:
 - CPU: 4.19.xxx and higher
 - DSP1: 1.20.xxxx
 - DSP2: 2.20.xxxx

NOTE



SolarEdge Commercial Gateway does not support the two-second period required by UNE 217001: 2020-10 and ITC-BT-40 (RD 244/2019).

Configure Zero Export

To configure SolarEdge inverters to manage export limitations, see [Export Limitation](#).