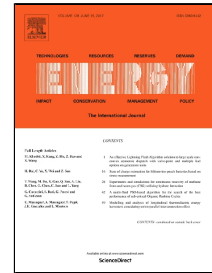


# Accepted Manuscript

Power Quality Experimental Analysis of Grid-Connected Photovoltaic Systems in Urban Distribution Networks

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**Highlights**

- The production of electric energy by photovoltaic systems.
- Voltage quality and harmonic distortion of current and voltage (EN 50160).
- The power quality of PV systems connected to an urban distribution network.
- PV systems use inverter, which enable synchronous operation with the dist. network.

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