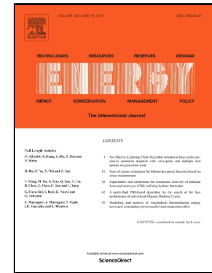


# Accepted Manuscript

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

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PII: S0360-5442(17)30844-7  
DOI: 10.1016/j.energy.2017.05.088  
Reference: EGY 10896  
To appear in: *Energy*  
Received Date: 02 February 2017  
Revised Date: 16 April 2017  
Accepted Date: 13 May 2017

Please cite this article as: Sebastijan Seme, Niko Lukač, Bojan Štumberger, Miralem Hadžiselimović, Power Quality Experimental Analysis of Grid-Connected Photovoltaic Systems in Urban Distribution Networks, *Energy* (2017), doi: 10.1016/j.energy.2017.05.088

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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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