OPERATIONAL RESULTS OF GRID-CONNECTED PHOTOVOLTAIC SYSTEM WITH DIFFERENT INVERTER’S SIZING FACTORS (ISF)

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This paper presents operational results of a 11.07 kWp grid-connected photovoltaic system. This system is made up by eight groups with different relationships between the inverter’s rated power and the PV generator’s maximum power (\(P_{0, \text{inv}}/P_{0, \text{pv}}\)). The obtained results led to the verification that the different studied relationships, \(P_{0, \text{inv}}/P_{0, \text{pv}}\) between 55 and 102%, do not affect significantly the final yields (\(Y_F\)). Copyright © 2006 John Wiley & Sons, Ltd.

KEY WORDS: PV systems; grid connection; operation performance analysis
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