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A COMPARATIVE STUDY BETWEEN ON-GRID AND OFF-GRID EQUIPMENTS. CASE STUDY : CALCULATIONS FOR THE INVESTMENT NEEDED FOR SUCH EQUIPMENTS

BY

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Abstract. In this paper is presented a comparative study between grid and off-grid stations. The photovoltaic installations without any connection to the national network will have a development in the future, because of the high price needed for connection at the national network or the lack for the technical conditions. The investment for a photovoltaic station, which will cover the energy consumption during one day, it is in this case smaller than the connection cost and the cost will be recovered in a shorter time.

Keywords: on-grid and off-grid stations, PV energy, investment.