

TYPE OF PLANT: STAND-ALONE PHOTOVOLTAIC SYSTEM

Place: Berevo – Morondava – MADAGASCAR – AFRICA

Power of the photovoltaic array: 840Wp

Use: electrification of the Catholic Mission and of the classrooms

Regulator: 1x30A

Batteries: 10kW

Inverter: 3.3kW – 230Vac/50Hz

Plant description: coplanar installation on a sloping roof. The system supplies the Catholic Mission in Berevo and the school. The loads supplied are lamps, refrigerator and freezer, teaching aids such as TV set, videorecorder, projector, water sterilizer and pump. Thanks to the photovoltaic system the school is opened at night too as library or for meetings.

Year of installation: 2005

PHOTOVOLTAIC ARRAY



INSTALLATION ON SITE



BATTERIES



INVERTER+REGULATOR



LOADS



CLASSROOMS

