



# **PV Solar Installation**

Tatale BINA

Tatale - Ghana, October, 2020



## **Installation Description**

This PV system serves the BINA Training Centre in Tatale. There are one public library with computer lab, classroom, workshops and offices. Because of the hot climate in this part of Ghana we installed a BYD Lithium battery. This BYD battery can endure temperatures up to 50 degrees. Therefore it can work inside the container without problems and without the need of installing an air conditioner to keep the battery cool.

# Facts

## Location

Tatale is located in the northern part of Ghana, close to the Togo border.

## Installation Date

October, 2020

## End Users

The Don Bosco Technical Centre BINA with workshop, classroom, office and library.

## Technical Data

- 36 solar modules with 315 Wp = 11.3 kWp.
- 1 Blue MPPT charge controller 150 / 35.
- 2 smart MPPT charge controller 250 / 85.
- 1 Victron Quattro 48 / 10000.
- 1 BYD battery 48V / 15.4 kWp.
- 1 Venus GX.



DON BOSCO  
Jugendhilfe Weltweit