



Solar Installation

Onitsha TVET Centre / Nigeria. August, 2021



Installation Description

The purpose of this installation is to provide clean and reliable electric energy for the Don Bosco Community and TVET Centre.

An AC - Coupled system with three Fronius grid Inverter and six Victron Quattro 48 / 15kVA. In addition eight DC - branch with 4.4 kWp solar power each and Victron MPPT charge controller 250 / 85. The energy of this system is stored in eight BYD Lithium batteries with 15.4 kWh each.

Facts

Location

Onitsha - Nigeria

Installation Date

August, 2021

End Users

Don Bosco TVET Centre

Technical Data

- 247 PV modules, 370Wp each , total 91kWp
- Victron Quattro inverter 48V/ 15kVA, 6 pcs
- Charge Controller, Victron MPPT 250V / 85A, 8 pcs
- BYD battery, 48V/15kWh, 9 pcs, total 138.6kWh
- Fronius Symo 15kW, 3 pcs
- Victron Cerbo GX
- Color Control GX



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