

A-Core Container

Cameroon communication base station power generation



Overview

The TBS (telecommunications base stations) on remote sites in the northern part of Cameroon are mainly supplied by a system of two generating units. Only a few TBS located in the Waza and Benue National Parks are powered by a PV (photovoltaic) solar system to avoid any disturbance to wildlife. How many types of telecommunication base stations are there in Cameroon?

Three types of telecommunication base stations (BTS) are found in the Sahel area of Cameroon. The energy model takes into account power consumption of all equipment located in base stations (BTS).

How many hydroelectric power stations are there in Cameroon?

In Cameroon, there are three major hydroelectric power stations i.e. Song Loulou, Edea, and Lagdo. Cameroon is regarded as possessing the second largest hydro stations apart from the Democratic republic of Congo . Fig. 2. Energy sources in Cameroon .

How much energy is saved in base stations in the Sahel zone?

By applying energy savings techniques proposed for base stations (BTS) in the Sahel zone, up to 17% of energy savings are realized in CRTV base stations, approximately 24.4% of energy are realized in the base station of Missinguileo, and approximately 14.5% of energy savings are realized in the base station of Maroua market.

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