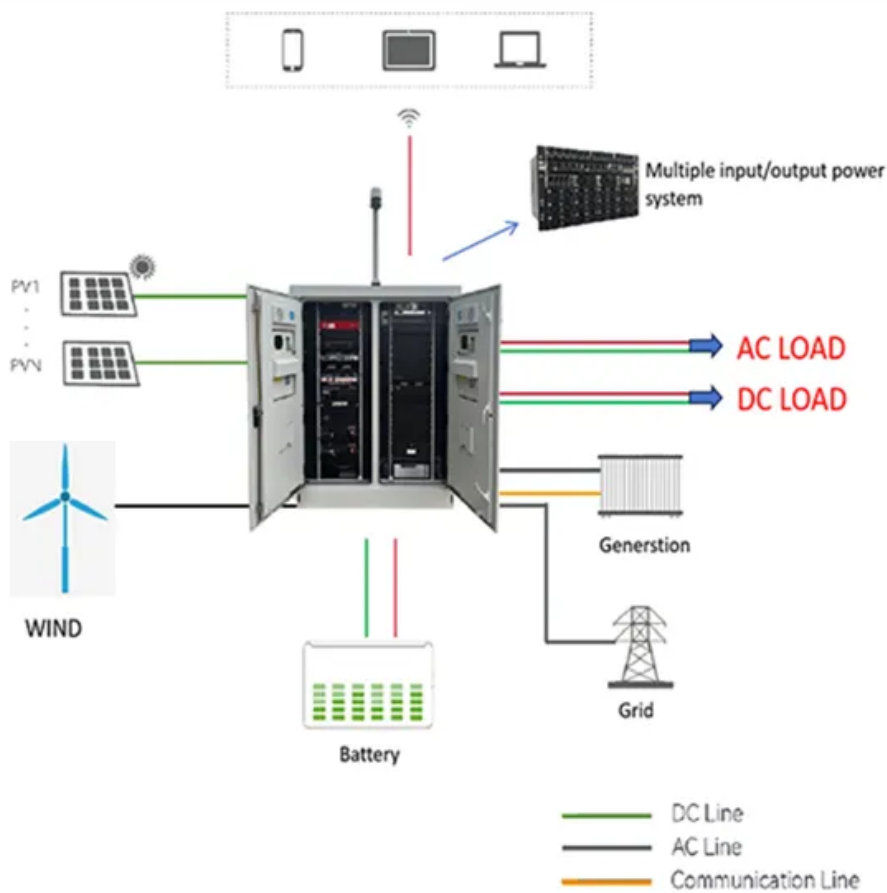


Design of strong power installation scheme for solar-powered communication cabinet



Overview

Abstract— This paper aimed at developing a procedure for the design of PV system for Mobile Tele-communication tower using the Google SketchUp Software. These systems optimize capacity and energy use, improving reliability and efficiency for Telecom Power Systems. The output of this project was also estimated using Google SketchUp software and calculated with PV watts; The design of PV system was done with. During the installation of this product, you will be exposed to wires from the Solar PhotoVoltaic (PV) panel array which are energized with high voltage. The high voltage is present during all daylight hours. If a Combiner Box is wired in the system, turn all the Circuit Breakers in all the. The communication base station installs solar panels outdoors, and adds MPPT solar controllers and other equipment in the computer room. The power generated by solar energy is used by the DC load of the base station computer room, and the insufficient power is supplemented by energy storage. Solar retrofit of existing grid-connected sites pre-equipped with rectifiers: Solar reduces electricity costs (OPEX), provides greater security and keeps the site up and running during prolonged outages.

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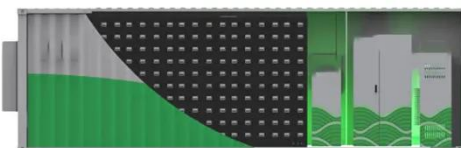
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Design of PV System for Mobile Tele-Communication Tower



In this paper the standard procedure developed was affirm in the design of a mobile Tele-communication tower. This paper contains the different site survey procedure and designs by Google SketchUp that ...

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