

Telesolar container communication station wind power construction specifications





Overview

Can kc85t PV system meet telecommunication load demand?

6.12 kW KC85T PV system cannot meet the telecommunication load demand. The figure delineates that if the wind speed is below 4.5 m/s, only PV system is applicable to the telecom load upto 750Watt. Similarly, if the wind speed is above 7 m/s, only wind system is feasible for the all the load demand.

What is hybrid solar and wind power system (hswps)?

The hybrid solar and wind power system (HSWPS) works in two modes as: direct and indirect mode.

Can hybrid solar and wind energy provide reliable power supply in Nepal?

freely and thus appears to be a promising technology to provide reliable power supply in the remote areas of Nepal. The intermittent nature of the solar and wind energy under varying climatic conditions requires a feasibility assessment and optimal sizing of hybrid solar and wind energy system.

How reliable is the remote telecom load requirement of dadakhara?

The simulation result shows that Hummer H3.1 (1kWx2) wind turbine, Trina Solar TSM-175DA01 (8.05kW) PV array and Trojan T-105 (1125Ah) justified the remote telecom load requirement of Dadakhara with reliability of 99.99% with a significant cost reduction as well as reliable energy production in the proposed system.



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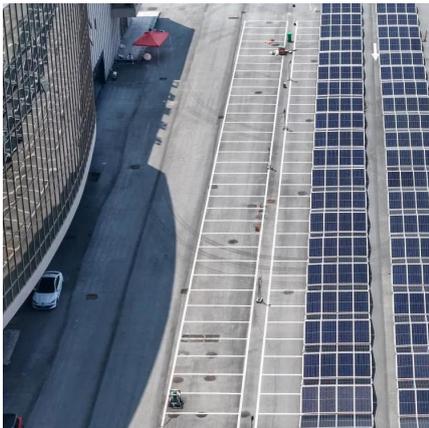
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