

SolarTech Power Solutions

Where are the grid-connected inverters for Mongolian communication base stations



51.2V 300AH

Overview

How a smart grid can improve data gathering & processing in Mongolia?

5 Plans for Grid Development to Improve Data Gathering and Processing in Mongolia Global electrical power grids are evolving into more intelligent, more responsive, more efficient, and more environmentally-friendly systems, often referred to as the smart grid.

How can the national power grid of Mongolia improve energy management?

The National Power Grid of Mongolia is divided into five regions, and needs to provide efficient Energy Management in real-time in each of the regions. This can be achieved only with on-line data collection and processing.

Is Mongolia ready for smart grid infrastructure?

Also, the Mongolian grid operator's SCADA-connected sites are relatively few, and less than 50% of all substations are telemetered today. Thus, the RTU population needs to be increased to pave the way for implementation of smart grid infrastructure in the near future.

How does the Mongolian grid data-sharing process work?

The Mongolian grid data-sharing process is mostly regulated with the national grid code, which is in the process of upgraded by the system operator. When a new power source or any other power system facility is integrated with the grid, the system operator determines the technical requirements or connection protocols for that integration.

What is Mongolia's power system?

Although the Mongolian power system consists of five interconnected but mostly separate grid network, the Central Energy System (CES) is the largest and most complex system among them.

Why are there different communication networks in Mongolia?

The reason for using these different communication network options is because of the remote locations of substations in Mongolia. In addition, the lack of independent communication networks or infrastructure for the power system controlled by the SCADA system still presents a problem for the Mongolian energy sector.

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