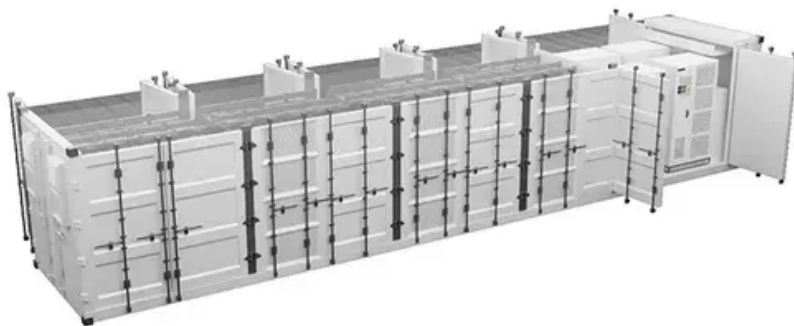


SolarTech Power Solutions

Key technical indicators of EMS for communication base stations



Overview

What is a base station transmitter?

The goal of Base Station Transmits is to discuss challenges faced by engineers and technicians who must optimize today's wireless networks. Topics include antenna systems, backhaul testing, interference, and meeting key performance indicators (KPIs).

What is network element monitoring (EMS)?

It is a software-based system used to monitor, manage, and control individual network elements or devices within a telecommunications network. Network Element Monitoring: An EMS provides real-time monitoring of network elements such as routers, switches, base stations, optical network units, or other devices.

How are communication base station data collected?

The communication base station data from different seismic sources are randomly combined and randomly divided into training set and test set according to the ratio of 7:3. 70% of the training set data are used for learning and 30% of the test set data are used for testing.

What factors affect a post-earthquake communication base station?

While ignoring that the damage of the post-earthquake communication base station is also related to many factors such as the geographical location of the base station, the distance from the earthquake source, the geography and geology between the earthquake source and the communication base station.

How does EMS integrate with network management systems?

Integration with Network Management Systems: EMS integrates with higher-level network management systems, such as Network Management Systems (NMS) or Operation Support Systems (OSS). This integration allows for end-to-end management of the entire telecommunications network.

Can a logistic method be used to predict a base station failure?

One of the primary tasks for effective disaster relief after a catastrophic earthquake is robust communication. In this paper, we propose a simple logistic method based on two-parameter sets of geology and building structure for the failure prediction of the base stations in post-earthquake.

Key technical indicators of EMS for communication base stations



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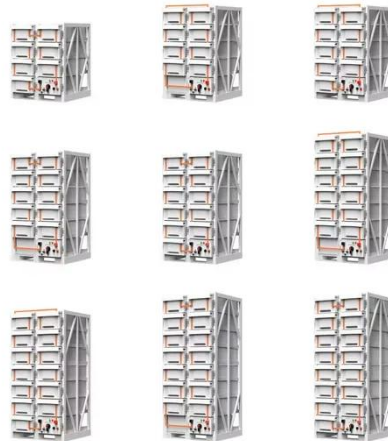
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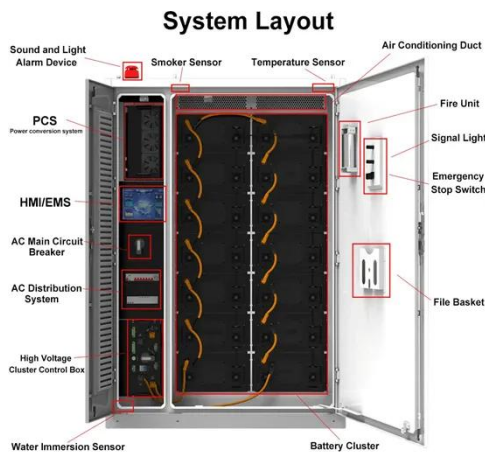
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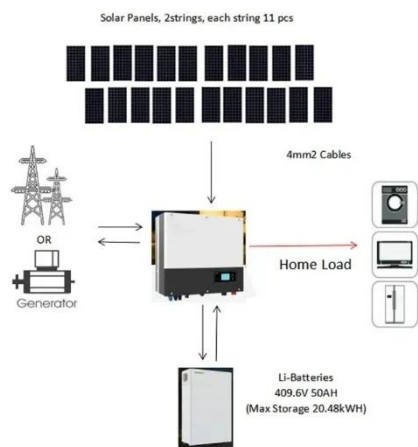


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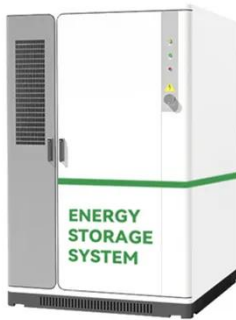
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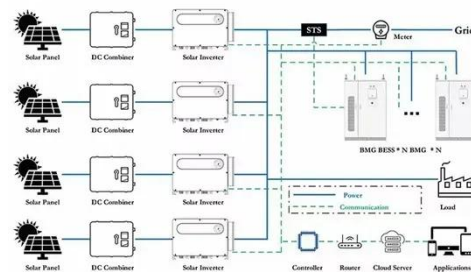
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