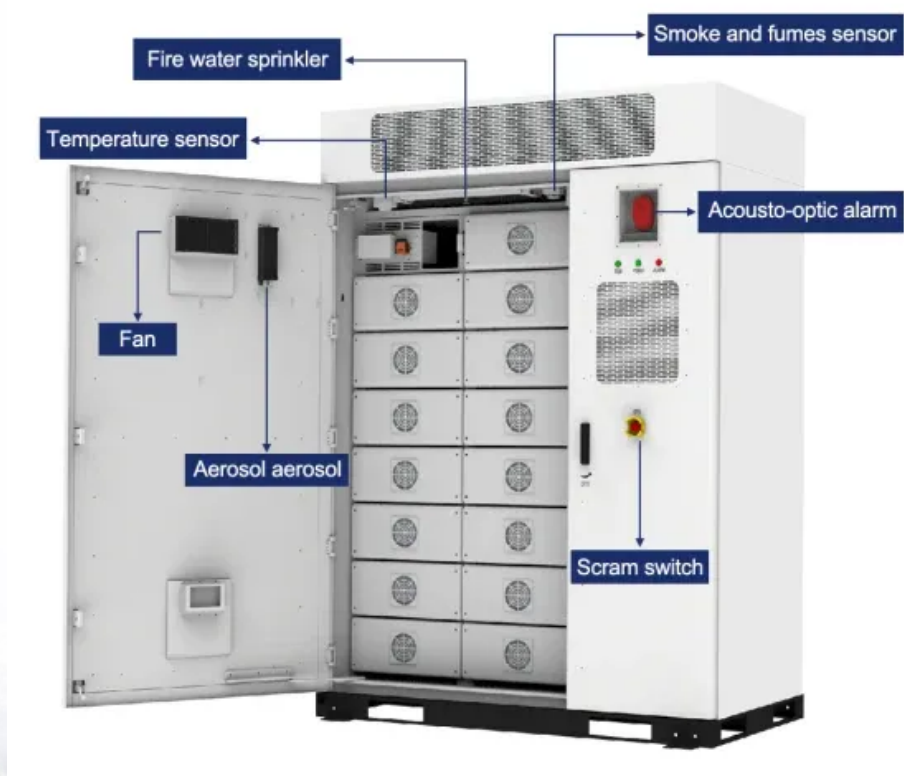


SolarTech Power Solutions

How to build a communication base station inverter and connect it to the grid at sea



Overview

What are the characteristics of different communication methods of inverters?

The characteristics of different communication methods of inverters are obvious, and the application scenarios are different. In order to better weave the underlying network of energy digitization and intelligent development, choose the most appropriate communication method according to local conditions.

How does a low voltage inverter work?

The data signal is connected to the low-voltage busbar through the power line on the AC side of the inverter, the signal is analyzed by the inverter supporting the data collector, and the communication is finally connected to the local power station management system or the cloud platform through the LAN or the Internet 2. Application scenario 4.

What can you do with a base station?

There's plenty of fun things you could achieve with such a base station: reverse-engineering of proprietary technology, security research, and probing for vulnerabilities through WWAN interfaces rarely considered as an attack surface. Maybe you could even set up your own cell network — if you ever go sailing in neutral waters, that is.

Do you need a 2G base station?

As such, grab your Faraday cages and lead-lined fridges, and make sure that you don't cause any illegal interference if you do end up exploring this path. We've generally seen 2G base stations over the years, but with the sunset of 2G, those have only been useful in an increasingly low number of countries, and, every once in a while, a hacker camp.

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Inverter communication mode and application scenario

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Inverter communication mode and application scenario



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