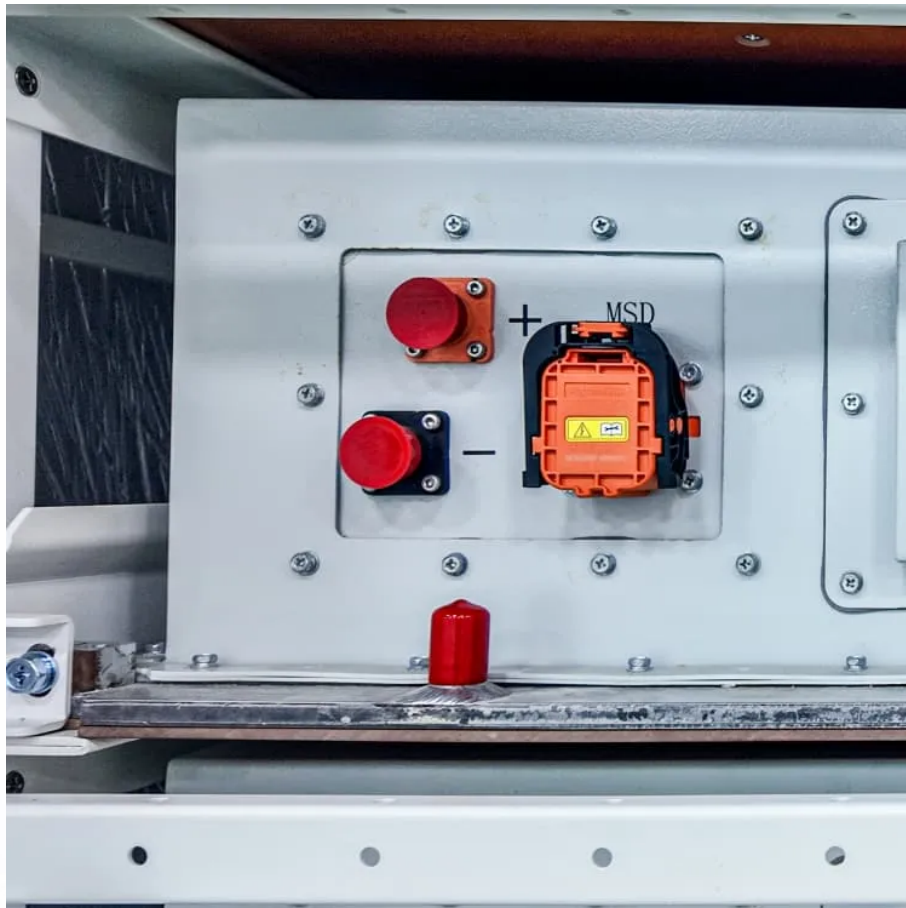


GIC base station communication





Overview

Can integrated sensing & communication (Isac) base stations be used for collaborative sensing?

Abstract: The collaborative sensing of multiple Integrated sensing and communication (ISAC) base stations is one of the important technologies to achieve intelligent transportation. Interference elimination between ISAC base stations is the prerequisite for realizing collaborative sensing.

What is integrated sensing & communication (Isac)?

Conferences > 2022 IEEE 95th Vehicular Tech. The collaborative sensing of multiple Integrated sensing and communication (ISAC) base stations is one of the important technologies to achieve intelligent transportation. Interference elimination between ISAC base stations is the prerequisite for realizing collaborative sensing.

Can multiple Isac base stations communicate and radar sense simultaneously?

Interference elimination between ISAC base stations is the prerequisite for realizing collaborative sensing. In this paper, we focus on the mutual interference elimination problem in collaborative sensing of multiple ISAC base stations that can communicate and radar sense simultaneously by transmitting ISAC signals.

How does Isac-MCs work?

able to disrupt the entire communication network by generating virtual malicious communication nodes. However, in ISAC-MCS, ISAC BSs can not only obtain the digital information of the nodes by means of communication, but also obtain the physical information of the nodes, such as location and velocity, by radar sensing, and then distinguish



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Base stations

Over large distances, the signals must be relayed by a communication network comprising base stations and often supported by a wired network. The power of a base station varies (typically ...

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