Three-dimensional communication home base station

Abstract: Aiming at the problem that the indoor three-dimensional positioning algorithm is complex and the accuracy is not high, this paper proposes a three-dimensional wireless positioning method based on symmetric Bluetooth base station.

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ation are critical to improving the performance of wireless communication networks in terms of latency reduction. To this end, the article proposes leveraging a convolutio al neural network (CNN) to improve the accuracy of base station location selection and network latency reduction. The CNN.

In this paper, a UWB-based circular antenna array single base station is designed for indoor space single base station 3D positioning problem, and the joint Time of Arrival (TOA)/Angle of Arrival (AOA) positioning estimation algorithm is studied. In terms of direction finding, a five-array element.

Good base station deployment plan help network operators save cost and increase total revenue significantly. By taking the cost, coverage and signal interference as the optimization objectives the base station deployment is conducted as multi-objectives combination optimization problem. Intelligent.

The invention discloses a kind of 3-D positioning method based on radio communication base station, steps are as follows: 1) obtain base station BS coordinate, calculate mobile terminal MT to base station propagation time，2) one is chosen from all base station BSs be set to BS for target BS 1.

Abstract: Aiming at the problem that the indoor three-dimensional positioning algorithm is complex and the accuracy is not high, this paper proposes a three-dimensional wireless positioning method based on symmetric Bluetooth base station. First, several groups of Bluetooth base stations are placed.

Abstract—Six-dimensional movable antenna (6DMA) is an ef-fective solution for

enhancing wireless network capacity through the adjustment of both 3D positions and 3D rotations of dis-tributed antennas/antenna surfaces. Although freely position-ing/rotating 6DMA surfaces offers the greatest.

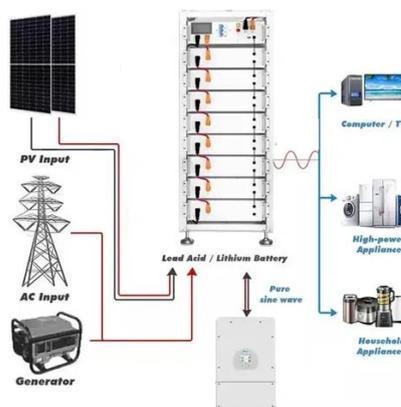# Three-dimensional communication home base station

Three-dimensional positioning of wireless communication base ...

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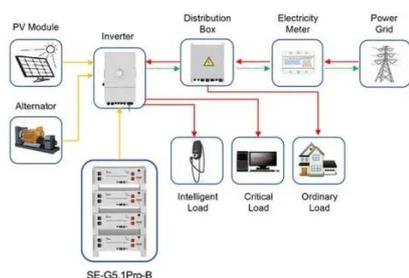
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The present invention relates to mobile communication locating technology fields, in particular to a kind of three-dimensional localization based on radio communication base station

Application scenarios of energy storage battery products

3D deployment of UAV-mounted base stations for

The potential applications of the proposed algorithm include UAV-aided communication after disasters, temporary communication network establishment for difficult-to ...
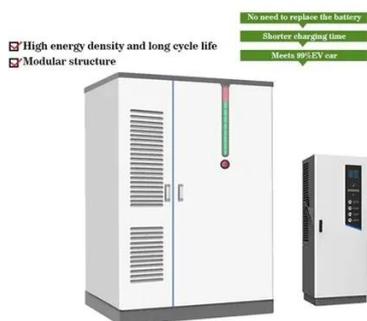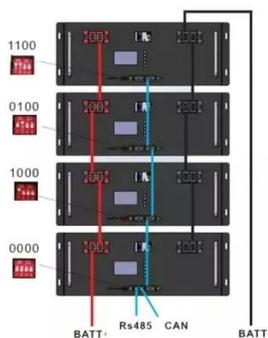
Three-dimensional positioning of wireless communication base station

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Your Paper's Title Starts Here:

In order to understand the influence of the number of base stations on the coverage and signal interference more vividly, we simulates the deployment of the base stations when the number ...

Research on 3D Positioning Technology of UWB Single Base ...

In this paper, a UWB-based circular antenna array single base station is designed for indoor space single base station 3D positioning problem, and the joint Time of Arrival ...

Wireless Communication Base Station Location Selection ...

presents a following method: location selection and network optimization for the wireless communication network. First, it collects the experimental data set of base station locati.

(PDF) Modified Least Squares Algorithm for Three-Dimensional ...

For the first time, this paper focuses on the problem of modifying the Z-axis location coordinates in three-dimensional (3D) target location. A novel algorithm is proposed by ...

Research on 3D Positioning Technology of UWB Single Base Station

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Capacity Maximization for Base Station with Hybrid Fixed ...

In Fig. 4, we compare the ASE obtained by the AMCMC-based algorithm with three benchmark schemes. It is observed that the proposed scheme achieves significantly improved ASE over ...
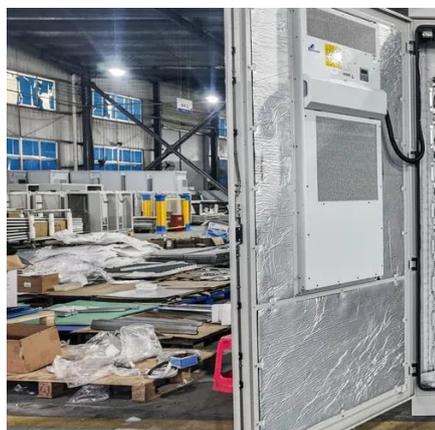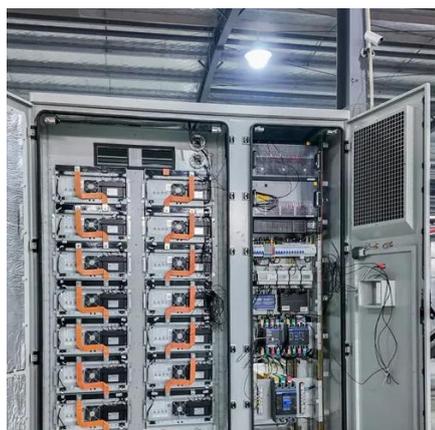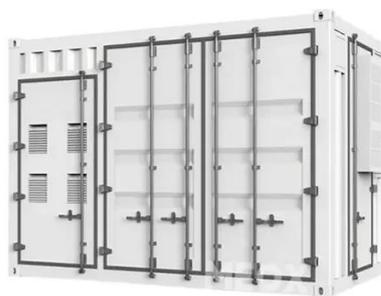
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Modified Least Squares Algorithm for Three-Dimensional Target ...

A novel algorithm is proposed by establishing the modified least squares 3D location model for the accurate target location. Meanwhile, an optimal base station selection ...

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