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Title: High frequency silicon steel sheet inverter

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In this paper, the magnetic properties of JNEX and JNHF are compared with those of thin-gauge grain-oriented electrical steel sheets and iron-based amorphous, which are representative ...

We have over 50 years of experience in production and sales of Ultra-thin Electrical Steel Strips. And we design cores and various reactors through many years of cultivated design technology, and offer ...

Mainly used for high-frequency transformers, power inductors, switching power supplies, inverters, etc. High frequency inverters (such as photovoltaic inverters and energy storage inverters) ...

The new material reduces high-frequency iron loss and improves magnetic flux density, thereby helping to increase motor torque and significantly improve ...

| High-Frequency Transformers: Used in high-frequency transformers within equipment like switching power supplies, inverters, and charging piles. Ultra-thin silicon steel sheets can ...

Silicon steel sheets, also known as electrical steel sheets or laminations, are thin and flat pieces of steel with a special coating of silicon. They are a crucial ...

This project seeks to develop a promising new manufacturing approach to produce sheet from electrical steel with high silicon content. In the new approach, sheets of the steel alloy are produced in a single ...

High silicon steel, more specifically, 6.5 wt% silicon steel possesses high electrical resistivity, high saturation magnetization, zero magnetostriction, and low raw material cost, which ...

In order to meet new demands, this technology has continued to be developed, leading to the commercial production of gradient high-silicon steel sheets with superior high-frequency ...

6.5% Si steel sheet. Based on these features, JNSF is considered to be a suitable material for high frequencies and downsizing of high-frequency reactors and other devices with similar requirements.

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