

# Ferrovolt

Iron powders powering  
the future of energy storage

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Powder that empowers

**Höganäs**   
POWDER THAT EMPOWERS®

# Battery production

## Empowering sustainable energy solutions

Electrification is reshaping industries. Höganäs metal powders, especially iron-based materials enable battery solutions that are safer, more sustainable and more cost-efficient.

### Sustainable energy solutions

As the world's largest metal powder producer, Höganäs offers high-purity iron powders of various sizes, morphologies and surface areas, specifically designed for the battery industry. Our products are engineered to meet the most stringent demands, ensuring superior performance and reliability.

In the rapidly evolving landscape of battery technology, the quality of raw materials plays a pivotal role in determining the performance and longevity of batteries.

Pure iron powder stands out as a critical component, especially in the production of Lithium Iron Phosphate (LFP) batteries and other iron-based battery technologies.

Höganäs understands that every application is unique. That's why we offer a range of standard iron-based solutions, along with the flexibility to customize our products to meet your specific requirements. Our main areas of expertise:

#### Tunable parameters:

- » Particle size distribution
- » Chemical purity
- » Surface area & morphology
- » Flowability

#### Our main areas of expertise:

- » Variety of iron powders in the Ferrovolt family
- » A strong emphasis on finding and crafting solutions that meet the growing needs of the renewable energy industry.
- » Sustainable solutions designed to support the push for electrification and a lower carbon footprint.



Contact your sales representative for more information and requests.

# A responsible foundation

## for modern battery chemistries

Metal powders provide a robust platform for battery chemistries that balance performance with responsibility. They enable safer, more stable systems while reducing dependence on scarce raw materials, creating a more resilient supply chain.

By offering consistent, high-purity materials, metal powders also support predictable processing and reliable performance, which is essential as battery technologies continue to evolve.

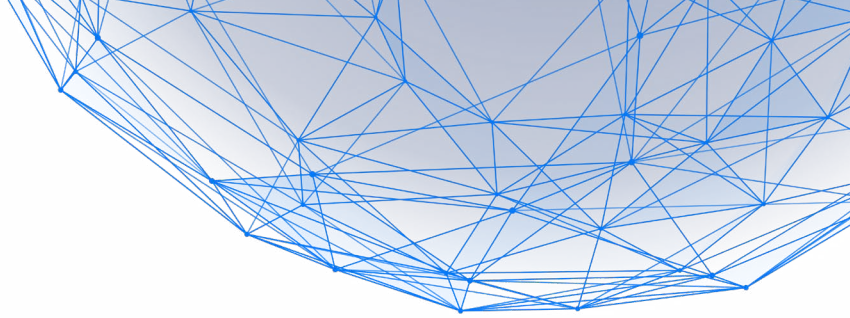
### Cost-efficient by design

- Lower material costs without sacrificing lifetime
- Built for demanding sectors
- Ideal where total cost of ownership matters most
- Scalable manufacturing
- Reduces waste and energy consumption

### Typical Values of the Ferrovolt Products

	Fe Content (%)	AD (g/cm <sup>3</sup> )	BET Surface Area (approx.) (m <sup>2</sup> /kg)
<b>Ferrovolt 30</b>	98.3	1.47	115
<b>Ferrovolt 40</b>	98.7	2.42	100
<b>Ferrovolt 50</b>	99.3	2.43	80
<b>Ferrovolt 90</b>	99.8	3.01	60





# Driving positive change through material innovation.

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Höganäs' vision is to drive positive change through material innovation and become the preferred partner for sustainable powder materials. Powder technology provides endless opportunities; not only does it empower customers to reduce material and energy consumption, but it also enables the use of new and improved techniques that make final products more efficient and cost-effective. In short, powders are a resource-efficient alternative, ideal for a wide range of industries.

## World leader in powders

Höganäs is a company with strong local presence around the world and the market leader in advanced ceramic and metal powders. Contact the nearest Höganäs office today — click or scan the QR code to learn more.

