

# Non-ferrous metal smelting energy storage project





## Overview

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Why are non-ferrous metals smelting activities important?

Non-ferrous metals smelting activities play an important role in global economic development . Smelting waste, mainly composed of silicates and oxides, is a byproduct of the metal ore smelting process .

What is smelting waste?

Smelting waste, mainly composed of silicates and oxides, is a byproduct of the metal ore smelting process . According to the literature reported by XU et al , there are around  $3 \times 10^8$  t of smelting slags generated and unreasonably dumped each year worldwide.

Why is smelting slag important?

At the same time, a deep understanding of the chemical characteristics of smelting slag can also help develop new utilization methods and technologies, such as using mineral phases in slag to prepare new catalysts and adsorption materials, or using slag as a bed material for biomass energy [26, 27].

Can smelting slag be used as environmental remediation material?

Collectively, smelting slag used as an environmental remediation material is a promising strategy. It not only provides a solution to industrial waste, but also contributes to improving polluted environments and promoting sustainable development. However, maximize its application in



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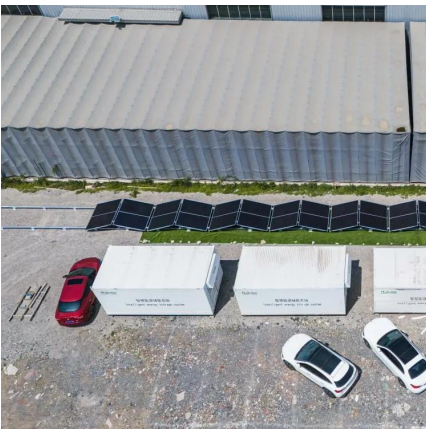


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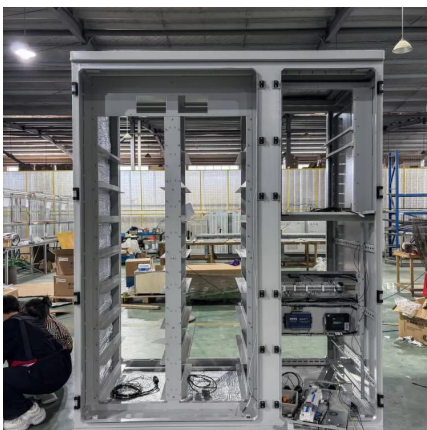


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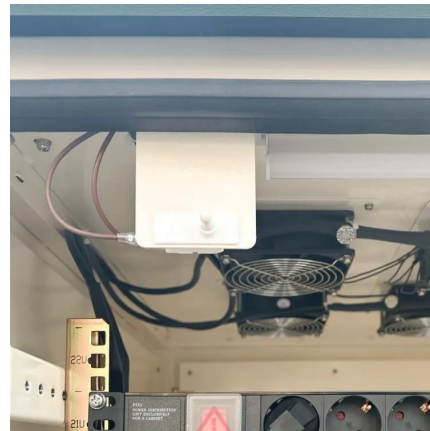


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