

SolarMax Energy Systems

Double glass component separation



 **TAX FREE**    

ENERGY STORAGE SYSTEM

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled



The diagram shows a front view of the ESS unit. It features a central vertical opening with a double glass component separation design. The unit is labeled 'ESS' in green at the top right. There are two yellow warning triangles at the bottom, one on each side of the central opening.

Overview

Can glass phase extraction be used for metal separation?

However, glass extraction strategies have yet to be applied and generalized for metal separation and the recovery of wastes. Herein, glass phase extraction is proposed as a one-step approach to simultaneously separate metals and obtain recovered products from a spent catalyst.

What is glass phase – crystal phase separation?

The constructed glass phase provided a coordination environment for the selective extraction of Al^{3+} and Ni^{2+} , while Mo^{6+} with high F was enriched in the molybdate phase and migrated, accompanied by one-step “glass phase – crystal phase separation” and direct recovery.

What are the factors affecting the separation of metals by glass phase extraction?

The melting temperature is one of the key influencing factors for the separation of metals by glass phase extraction. The thermal decomposition of Na_2SO_4 and the spontaneous reaction with MoO_3 require temperatures higher than 1184°C , which corresponds to the exothermic peak of the TG-DTA curve shown in Fig. 6.

What are the different types of glass chromatography columns?

Glass chromatography columns are available in various types, each designed to address specific separation needs: Standard Columns: These versatile columns are suitable for a wide range of chromatography techniques, including gravity and low-pressure chromatography.

What is glass phase extraction?

Herein, glass phase extraction is proposed as a one-step approach to simultaneously separate metals and obtain recovered products from a spent catalyst. Specifically, a spent $\text{MoNi}/\gamma\text{-Al}_2\text{O}_3$ hydrofining catalyst was used as

a representative sample catalyst material.

What is glass phase extraction (GPE)?

Glass phase extraction (GPE), a new method was proposed for metal separation. >99.16 % Al^{3+} and Ni^{2+} were extracted and separated with 99.82 % Mo^{6+} by GPE. Na_2MoO_4 was immiscible with and precipitated over glass melt, recovered directly. Full-component resource recovery of spent catalysts was achieved by GPE method.

Double glass component separation



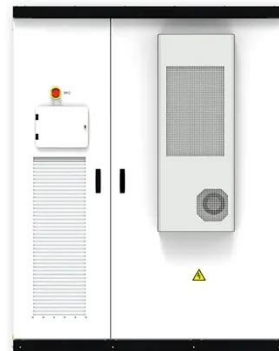
Detailed Explanation of the Operating Steps of Glass Separation

Advanced glass separation equipment plays a pivotal role in optimizing this process, ensuring high recovery rates while minimizing environmental impact. Below is a step ...

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Glass phase extraction for one-step separation and recovery of

Here, glass phase extraction is proposed

as a novel approach for simultaneously separating metals and obtaining recovered products from spent hydrofining catalysts in one step.

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