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Plasma and energy storage cabinet hybrid type for oil refineries



Plasma and energy storage cabinet hybrid type for oil refineries



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Solar-assisted hybrid oil heating system for heavy refinery products

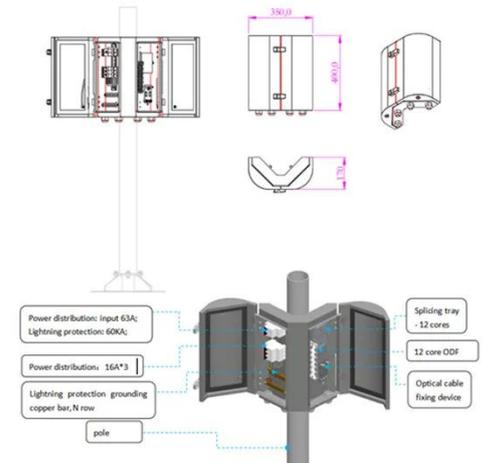


The present study investigates the feasibility of solar hybrid system to generate steam in the oil refinery to maintain the temperature of heavy crude oil products before despatching from ...

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A review of applied plasma processing of heavy oil and its model

This article reviews the recent research advances in the application of plasma technology for the processing of heavy oil and its model compounds. A systematic overview and comparison of ...



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Solar-assisted hybrid oil heating system for heavy refinery ...

This study aims to evaluate a proposed hybrid heating system for heavier refinery products in storage tanks, coupled with TES, including energy, cost, and GHG emission analysis.



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Greenhouse gas emission reduction and energy impact of electrifying

This paper evaluates the energy requirements, associated greenhouse gas emissions, and energy economics of using plasma processing technology for heavy oil upgrading in refineries by replacing ...

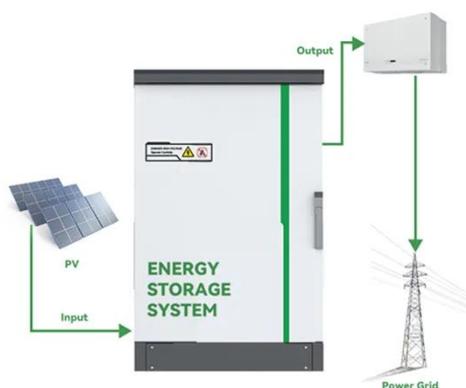
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Solar-assisted hybrid oil

heating system for heavy refinery product storage

The purpose of this study is to investigate the potential use of solar energy within an oil refinery to reduce its fossil fuel consumption and greenhouse gas emissions.



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