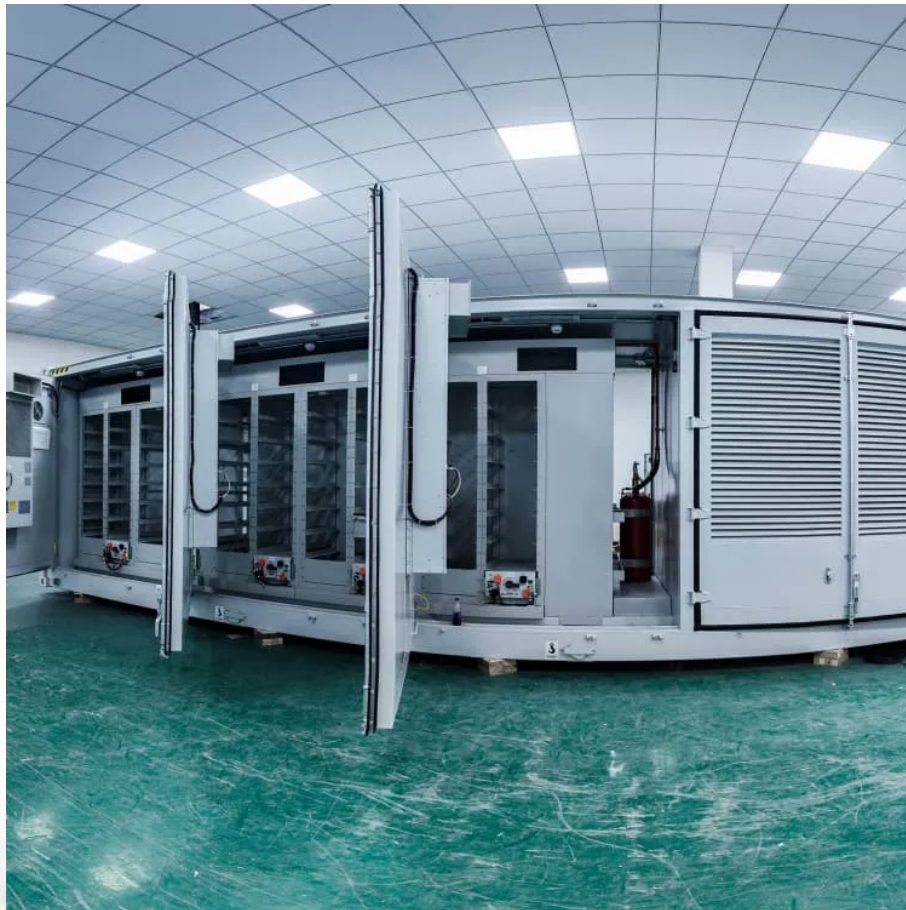


Tunis City Photovoltaic Energy Storage Container Corrosion- Resistant Type





Overview

Does Mo improve corrosion resistance in solar salt?

Considering the effect of Mo, which is known to improve resistance to localized corrosion in aqueous media, its benefit on corrosion rate in Solar Salt could not be established, considering that corrosion resistance of AISI 316/316L, 317L and OC-4 does not differ significantly from that of Mo-free alloys.

What are the different types of corrosion in TES tanks?

Corrosion understood as thermodynamically driven degradation of materials may appear in various forms. The forms most relevant to TES tanks used in CSP are high temperature corrosion, localized corrosion and/or mechanically assisted corrosion, which are summarized in Fig. 6 and further described.

How does a corrosion pit affect fatigue life and failure mode?

The geometry of corrosion pit, which typically initiates the crack, was found to influence fatigue life and failure mode by varying degrees depending on temperature and strain range .

What is the corrosion rate of solar salt at 600 °C?

The corrosion rates in Solar Salt at 600 °C are practically the same as those of AISI 316, 321 and 347 tested at the same conditions and showing analogous increase of corrosion rate at 680 °C , associated with build-up of additional corrosion products at the higher temperature.



Tunis City Photovoltaic Energy Storage Container Corrosion-Resista



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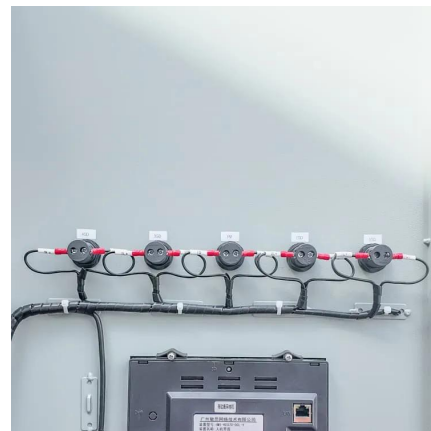
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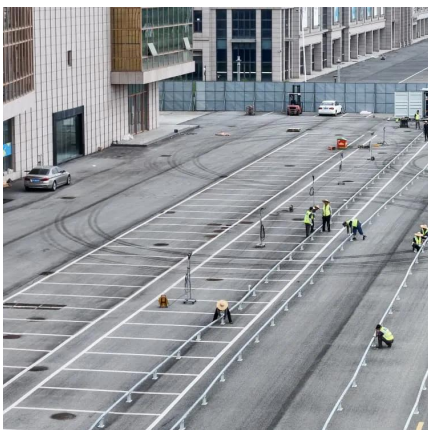
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