

# Off-grid solar-powered container pricing for European ports





## Overview

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Do EU ports need a lot of electricity?

Accurate estimates of power demand at EU ports have become increasingly critical due to stringent regulations, such as AFIR and FuelEU Maritime. AFIR mandates that by 2030, 90% of all port calls by container and passenger ships at TEN-T ports must use shore-side electricity.

Which ports will provide onshore power to container ships?

. commented Johan Wallén, Marketing and Sales Manager at Ports of Stockholm. The ports of Aarhus, Gothenburg, Bremerhaven, and Stockholm will provide onshore power to container ships calling at the ports by 2030.

How much infrastructure is needed to meet EU shore power targets?

Together, these findings suggest that meeting EU shore power targets will require infrastructure capable of delivering between roughly 6 and 13 TWh annually. This clearly indicates the significant investment, planning, and coordination required.

Does shore power deployment cost a lot of carbon?

It is also notable that when we pass the optimal extent of shore power deployment (3), the MAC rises drastically, showing that a network-wide mandate of shore power deployment for bulk terminals would come at a very high cost per abated ton of carbon.



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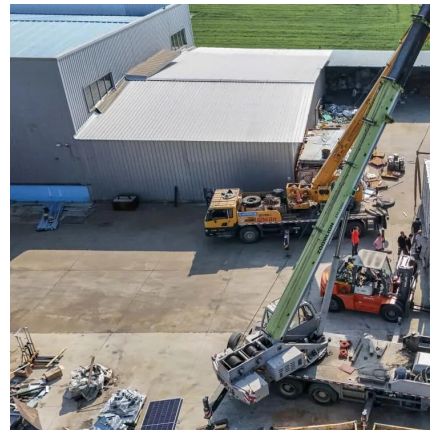


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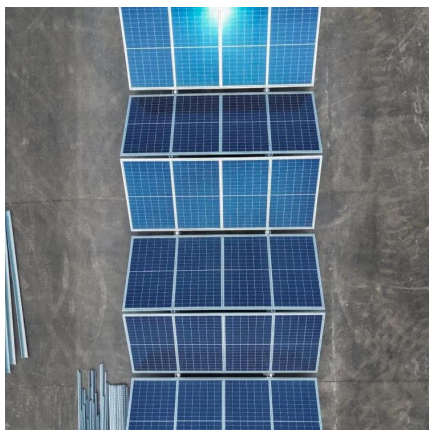
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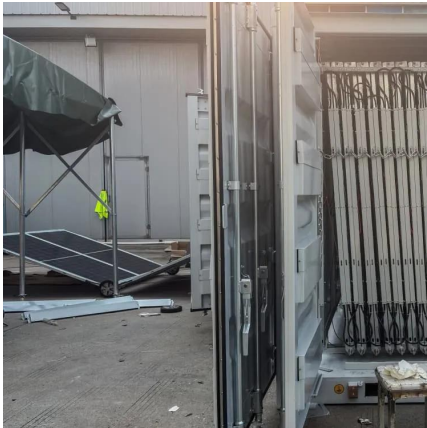
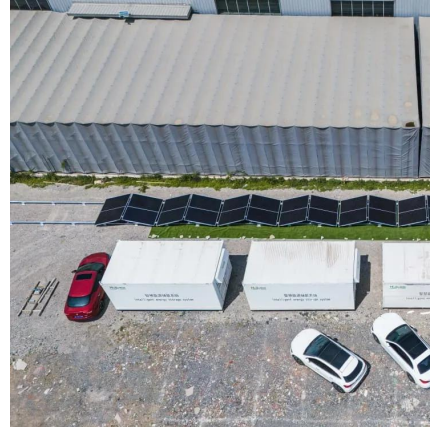
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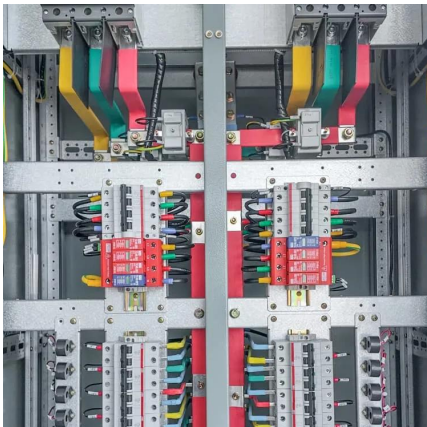
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