

# **120kW Photovoltaic Container Terminal for Port Terminals**





## Overview

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What is Terminal electrification solution content?

Terminal electrification solution content Electrical infrastructure is the backbone of a modern container terminal. Given the increasing number of electrically powered equipment, reefer racks and other electrical consumers at a container handling facility, designing and building such infrastructure is a demanding task.

How can ABB help a container terminal?

ABB has the knowledge, products and systems for helping terminal operators to build cost-efficient and reliable infrastructure that allows the terminal's operational targets to be met. Terminal electrification solution content Electrical infrastructure is the backbone of a modern container terminal.

Why should a terminal be electrically powered?

Using electrically powered equipment significantly reduces emissions and noise from a terminal, which improves the working environment for the people working in the terminal, and reduces the terminal's impact on the surrounding community. Combined with shore-to-ship power connection the emissions of terminal operations can be reduced even further.



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The solar power system at Port Newark Container Terminal spans 7.8 acres of elevated canopy-mounted panels, producing a combined 7.2 megawatts of energy while occupying only 1,500 square feet--roughly ...

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## **What are the infrastructure needs for electrified container terminals**

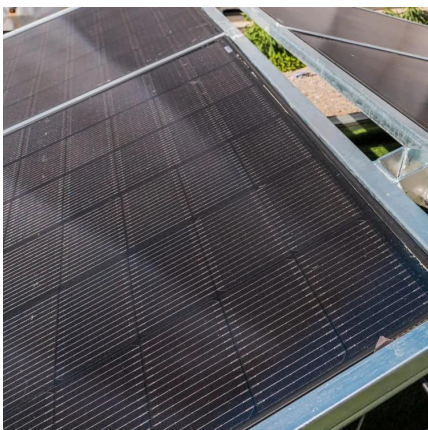
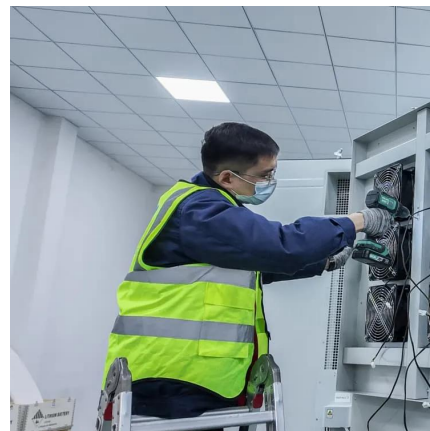
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In terms of academic research, energy studies in the port domain, including those focusing on renewable energy, have been on the rise in recent years. However, renewable ...

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