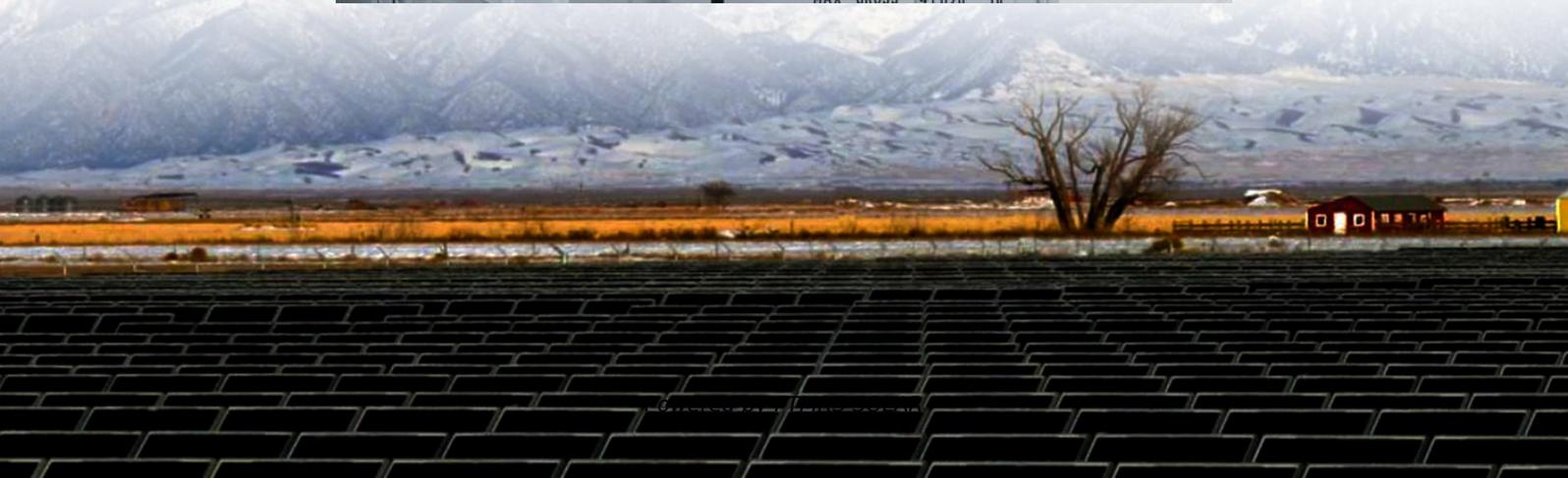


# Georgetown Waterworks uses 5MWh energy storage containers





## Overview

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What is Mercury Max 5MWh liquid cooled container?

Mercury MAX 5MWh liquid-cooled container adopts the 1P104S large PACK solution, which increases the energy density by about 20%, effectively optimizing the production process and saving costs; the compact design and reasonable matching of the power of the hydrothermal system can further improve the energy density of the energy storage system.

What is a 5MWh battery energy storage system?

As well as reducing energy consumption; the single 5MWh battery energy storage system makes it easier to select the energy storage converter (PCS) and configure the power station.

How much power does a 20ft container need?

This trend has shifted to 5.016MWh in 20ft container with liquid cooling system with 12P416S configuration of 314Ah, 3.2V LFP prismatic cells. For example, a 70MWh battery requirement would be fulfilled by 14 Nos. of 5MWh BESS systems. For a 2-hour storage project, a 35MW capacity PCS and transformer-integrated solution would be used.

How does a 5MWh liquid cooling system work?

In terms of temperature control, the 5MWh liquid cooling platform relies on its variable frequency liquid cooling system to make heat dissipation more uniform, thereby achieving higher heat dissipation efficiency and keeping the system temperature difference  $<4^{\circ}\text{C}$ .



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Liquid Cooling BESS Container, 5MWH Container Energy ...

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Understanding battery energy storage system (BESS), Part 6

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5 MWh Liquid-cooling Energy Storage Container

Jun 19, 2024 · High economic efficiency 315 Ah LFP cells with high energy density and prolonged cycle life realizes a cost reduction per kWh of 30 %. 5 MWh in one 20 ft container; side-by-side ...

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5MWh Liquid-Cooled Energy Storage Container System

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