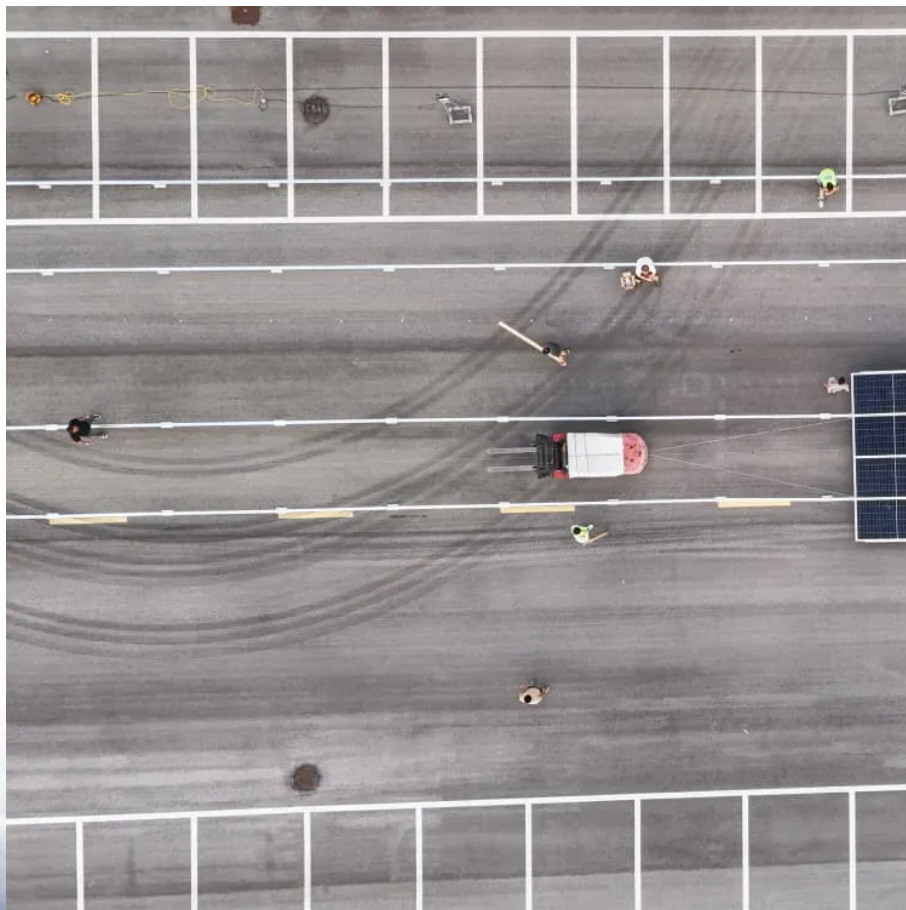


# **The school uses a 100-foot intelligent photovoltaic energy storage container from Central Asia**





## Overview

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What energy storage container solutions does SCU offer?

SCU provides 500kwh to 2mwh energy storage container solutions. Power up your business with reliable energy solutions. Say goodbye to high energy costs and hello to smarter solutions with us.

How much energy does a school use?

During school operating hours, the energy consumption was 22 MWh and 20 MWh for stable and intermittent supply scenarios, respectively. The optimal solar and battery sizes for the stable TOU and intermittent TOU scenarios were 12 kWp and 3 kWh, while 15 kWp and 3 kWh were found to be optimal for the intermittent flat rate scenario.

Can solar power be used in schools and hospitals?

Although extensively studied in the context of larger distribution grids (Boonluk et al., 2020, Pompern et al., 2023), research on smaller-scale PV applications for individual buildings, such as schools, homes, and hospitals, remains limited (Tostado-Véliz, Icaza-Alvarez, & Jurado, 2021).



## The school uses a 100-foot intelligent photovoltaic energy storage c



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