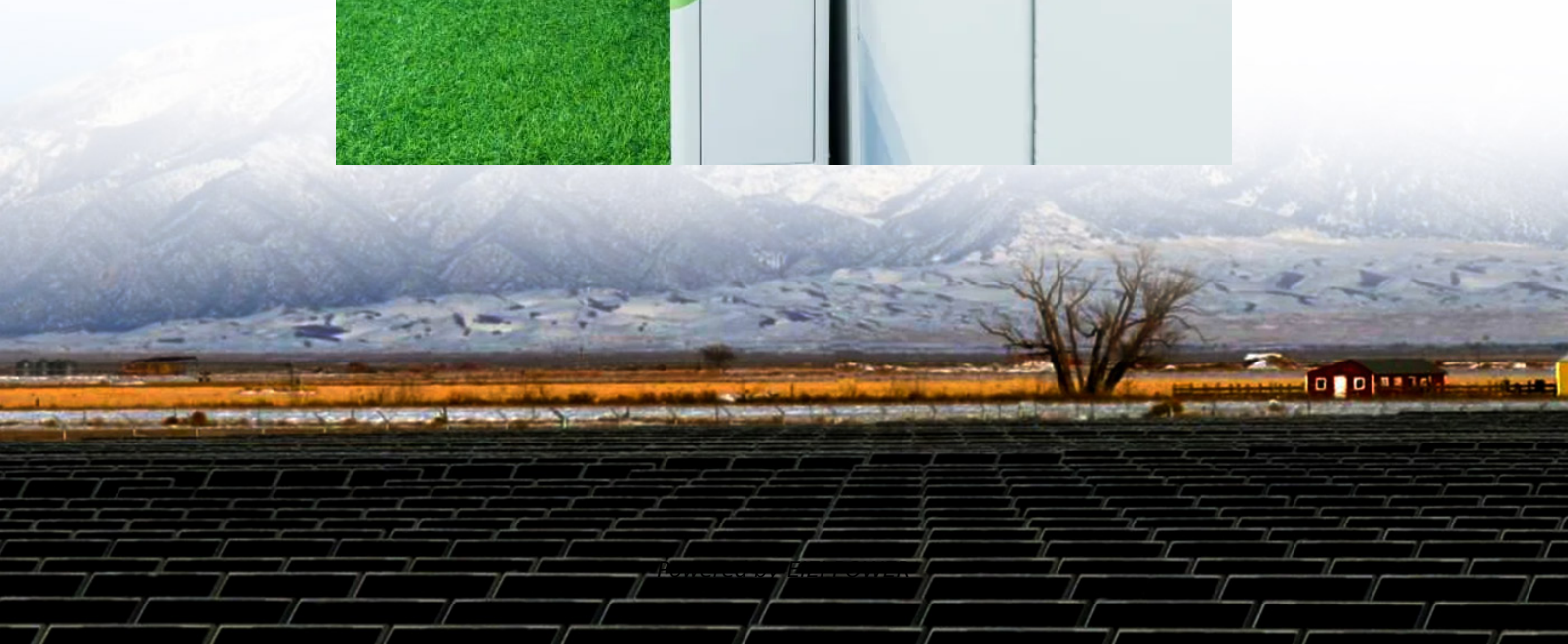


# **Energy storage air cooling standard container specifications**





## Overview

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What is a composite cooling system for energy storage containers?

Fig. 1 (a) shows the schematic diagram of the proposed composite cooling system for energy storage containers. The liquid cooling system conveys the low temperature coolant to the cold plate of the battery through the water pump to absorb the heat of the energy storage battery during the charging/discharging process.

How much energy does a container storage temperature control system use?

The average daily energy consumption of the conventional air conditioning is 20.8 % in battery charging and discharging mode and 58.4 % in standby mode. The proposed container energy storage temperature control system has an average daily energy consumption of 30.1 % in battery charging and discharging mode and 39.8 % in standby mode. Fig. 10.

What is the cooling capacity of a rated air conditioning system?

At the rated operating point, the cooling capacity of the proposed temperature control system and the conventional air conditioning system reaches 59.1 kW with the COP of 1.7, at which time the evaporating temperature is approximately  $13 \pm 0.5$  °C.

How much power does a containerized energy storage system use?

In Shanghai, the ACCOP of conventional air conditioning is 3.7 and the average hourly power consumption in charge/discharge mode is 16.2 kW, while the ACCOP of the proposed containerized energy storage temperature control system is 4.1 and the average hourly power consumption in charge/discharge mode is 14.6 kW.



## Energy storage air cooling standard container specifications

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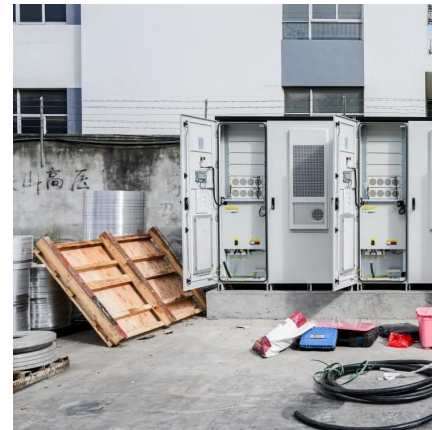
### [1863kWh Container Liquid Cooling BESS](#)

...

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Provides a reliable environment with reliable temperature and humidity for the energy storage cabinet Battcool-AC series air conditioner is developed mainly for containers.

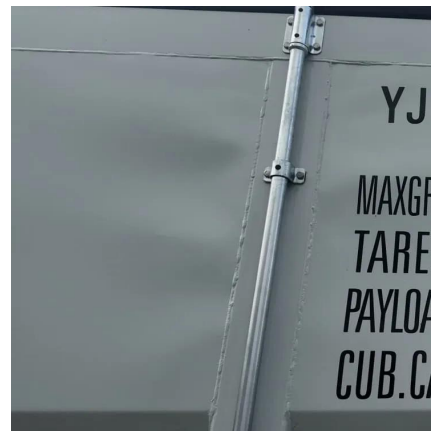


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