

## PEES Power Systems

# Kehua S3 liquid-cooled energy storage system



## Overview

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The solution integrated a 5MWh liquid cooling battery energy storage system and a 5MW MV Skid, supported by over 100 patents and featuring three key technological highlights: SAFE: The 5MWh liquid-cooled container is equipped with multi-point monitoring for rapid fire alarm. The solution integrated a 5MWh liquid cooling battery energy storage system and a 5MW MV Skid, supported by over 100 patents and featuring three key technological highlights: SAFE: The 5MWh liquid-cooled container is equipped with multi-point monitoring for rapid fire alarm. As a Tier 1 energy storage supplier globally and the world's leading provider of PV and ESS solutions, Kehua is showcasing its high-security R&D achievements and high-performance energy storage solutions in an all-round way. S<sup>3</sup>-EStation PremiereThe spotlight was on Kehua's newly showcased. otovoltaics, energy storage, and micr cost reduction while increasing efficien I energy storage system, the S&#179;-EStore y storage system with grid-forming losion-proof + three-level C& I ESS Unveiled at Intersolar Europe 2023. Explore the safe, smart, an . In response to the severe challenges posed by heat island effects, Kehua has launched the new generation S<sup>3</sup>-EStation 2. 0 5MWh Smart Liquid Cooling Energy Storage System, demonstrating its forward-looking vision and profound technical expertise. Learn more Kehua Digital Energy, with 36 years of power electronics expertise, offers comprehensive solutions in photovoltaics, energy storage, and microgrids. With installations exceeding 46GW in PV and.

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### New-Gen S<sup>3</sup>-EStation 2.0 Liquid-Cooling BESS Makes Its European ...

The system combines active safety, streamlined flexibility, and intelligent efficiency by integrating PCS, BMS, batteries, fire protection, and liquid cooling systems in a compact 1.3m<sup>2</sup> footprint.

### S<sup>3</sup>-EStore

With installations exceeding 46GW in PV and 15.2GW/8.2GWh in energy storage globally, Kehua is a Tier 1 clean energy provider committed to promoting a zero-carbon future.



### Silent "Heat War" in Energy Storage Stations: Kehua S<sup>3</sup>-EStation ...

This system employs an innovative design of "full liquid cooling + top exhaust," breaking the "heat island" crisis. This innovation allows energy storage stations to remain "cool" even in high ...

## Kehua S3 liquid-cooled energy storage system

Kehua S3 liquid cooling energy storage system is highly favored by the market and widely deployed for its high degree of safety, reliability, plus its great cost reduction and



## Kehua S<sup>3</sup>-EStation 2.0 liquid-cooled BESS builds safety barrier for

The system employs an innovative "full liquid cooling + top exhaust" design, breaking the "heat island" scenario. This innovation allows energy storage stations to remain "cool" even in high ...

## Kehua Digital Energy's new generation of S<sup>3</sup>-EStation intelligent liquid

The 2.5MW energy storage converter and 5MWh liquid-cooled energy storage battery system in the new generation S<sup>3</sup>-EStation 2.0 5MW/10MWh intelligent liquid-cooled energy storage ...



## Kehua Liquid Cooling Energy Storage System Press Conference



Through centralized integration and prefabricated non-walk-in battery container system design, Kehua made it possible for the system to operate in higher energy density with smaller land area, more ...

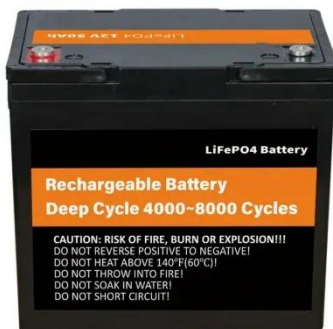
## Kehua Tech's New-Gen S<sup>3</sup>-EStation 2.0 liquid

The system combines active safety, streamlined flexibility and intelligent efficiency by integrating PCS, BMS, batteries, fire protection and liquid cooling systems in a compact 1.3m<sup>2</sup> footprint.

**215kWh**

8,000+ Cycles Lifetime

IP54 Protection Degree



## China's first 100MW Liquid-cooled Energy Storage project

The solution based on an integrated liquid cooling system for energy storage, provided by Kehua Digital Energy, is the first 100MW project of its kind in China. This realization confirms Kehua's leadership in ...

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