



BUHLE POWER

# Energy storage power supply can provide uninterrupted power supply





## Overview

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What is uninterruptible power supply (UPS) system?

Uninterruptible power supply (UPS) system is an important application of ESS in a microgrid.

What is Teng-based uninterrupted power supply (Teng-ups)?

The merging of TENG with energy storage technology (SC or battery) leads to the invention of TENG-based uninterrupted power supply (TENG-UPS), which effectively compensates for their energy consumption and extends the working duration of electronic equipment.

Can uninterruptible power supply systems integrate energy collection device Teng and energy storage device?

**Summary and Perspective** In a word, this paper comprehensively summarizes the latest development of uninterruptible power supply systems, which integrate energy collection device TENG and energy storage device battery/SC. This strategy brings hope for the development of the next generation of portable electronic products independent of energy.

Can ESS be used as an uninterruptible supply system?

The use of ESS as uninterruptible supply system is limited due to its high cost. However, with constant improvements in battery storage technologies, the energy density is getting better at a reduced cost.



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