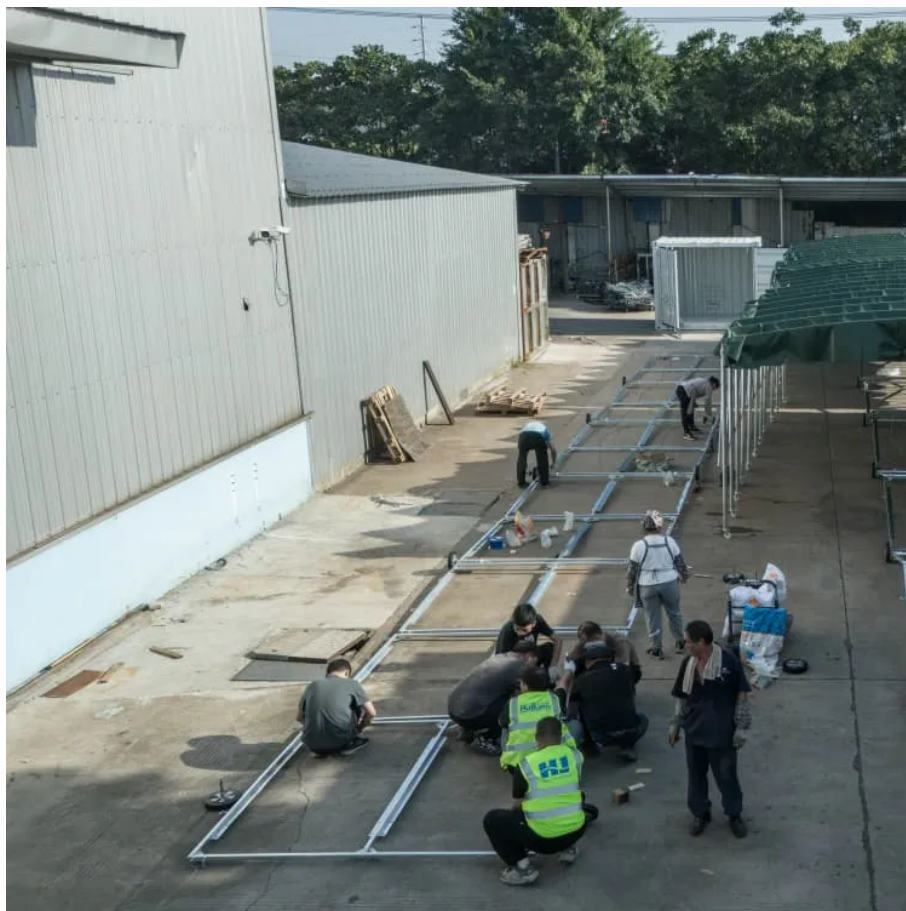


# What is a super capacitor





## Overview

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What is a supercapacitor?

A supercapacitor, also called an ultracapacitor, is a high-capacity capacitor with a capacitance value much higher than other capacitors, but with lower voltage limits, that bridges the gap between electrolytic capacitors and rechargeable batteries. Reliable and efficient storage is the future of Solar Energy.

Are supercapacitors better than normal capacitors?

Supercapacitors have superior performance than normal capacitors in terms of capacitance and energy density. Supercapacitor consists of two electrode materials separated by separator to avoid direct contact between the electrodes. These electrode materials are porous and coated on a conducting substrate.

What is a super capacitor?

A super capacitor is known as the 'king of all capacitors' and may even replace batteries in the future. It is also referred to as an 'Electric Double Layer Capacitor (EDLC)'. Like a normal capacitor, it consists of two electrodes separated by a dielectric. Super Capacitors have 'Double-layer' properties.



## What is a super capacitor

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and discharge cycles unlike traditional batteries.

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