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# **UAE Dubai Energy Storage Supercapacitor**





## Overview

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What is SuperCap energy storage?

Dubai-based supercap energy storage manufacturer Enercap Holdings and Abu Dhabi-based Apex Investment, a leading diversified investment holding company, have formed a joint venture to build 16GWh per year manufacturing capacity of supercap energy storage, a cutting-edge technology with features that surpass the commonly used lithium-ion technology.

Does enercap have a manufacturing facility in Dubai?

Additionally, Enercap Energy Holding Limited has agreed to acquire an existing manufacturing facility in Dubai Industrial City (DIC), which will be upgraded to 6GWh/year capacity. Enercap has a current global demand of over 30GWH of large-scale battery energy storage systems (BESS).

What is the energy storage joint venture & how will it work?

The joint venture is set to meet exponential growth in demand, which has been stimulated in recent years by the onset of energy storage being used with renewable energy, to balance the grid, electric vehicle manufacturing and power management optimisation and backup requirements for industries such as data centres.

Is a supercapacitor better than a lithium ion battery?

The supercapacitor has 99 per cent round-trip efficiency vs. 85 per cent for lithium-ion batteries and its production facilities are 5-10x more capital efficient compared to best-in-class lithium-ion facilities.



## UAE Dubai Energy Storage Supercapacitor



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UAE Supercapacitor Market Synopsis The UAE Supercapacitor Market is gaining traction as energy storage solutions become increasingly important in various applications. ...

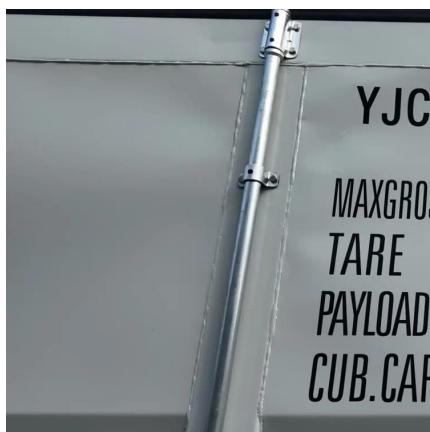
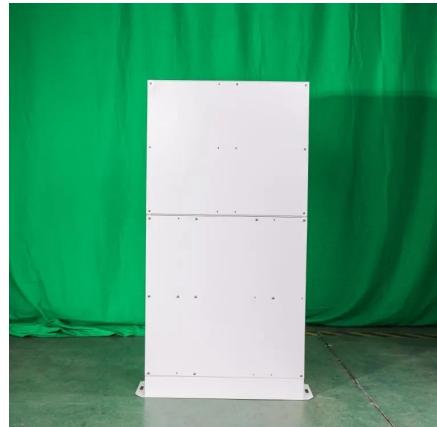


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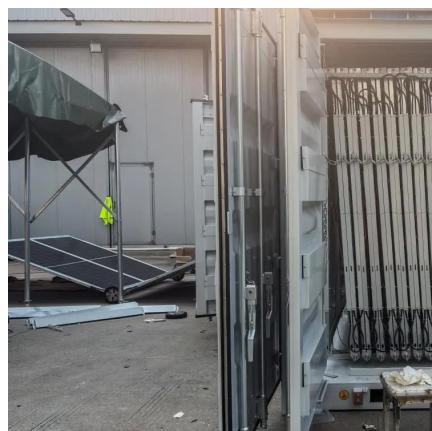
Headquartered in Dubai with a state-of-the-art manufacturing facility in China, Nex Cap Energy is positioned to serve global industries with high-performance energy storage technologies. From ...



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