



# Cobalt molybdate supercapacitor price





## Overview

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Herein, we demonstrate an effective strategy of creating phosphorus-containing cobalt molybdate ( $\text{CoMoO}_4$ ) with oxygen vacancies ( $\text{P-CoMoO}_{4-x}$ ) on nickel foam for use as a supercapacitor electrode. Experimental analyses and theoretical calculations reveal that the electronic structure of  $\text{P-CoMoO}_{4-x}$  can. Cobalt molybdate ( $\text{CoMoO}_4$ ) nanomaterials have been regarded as one of the most prospective electrode materials for supercapacitors due to their high theoretical capacitance and excellent electrical conductivity. In this paper, three kinds of  $\text{CoMoO}_4$  nanorods were prepared directly via simple and. In this work, a straightforward hydrothermal method is employed to fabricate free-standing nickel molybdate (NMO) with a rod-like nanostructure, onto which 2D nanosheets of cobalt phosphate (CP) are coated using the successive ionic layer adsorption and reaction (SILAR) method.



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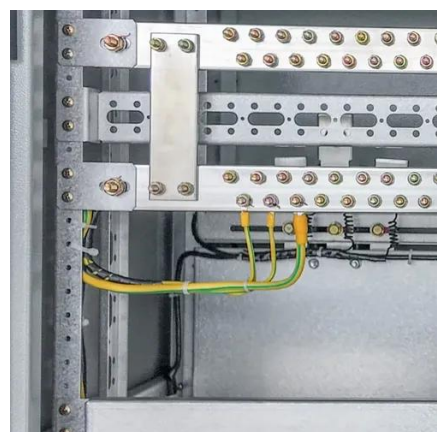


### Pseudocapacitive properties of cobalt molybdate hydrates with

Although extensive research has been conducted on cobalt molybdate materials for supercapacitor applications, studies focusing on their hydrate counterparts remain relatively limited.

### Simple synthesis and supercapacitor characterization of cobalt

Cobalt molybdate materials have recently attracted scientific interest because of their low cost and redox attributes. However, enhancing their limited electrochemical performance come from ...



### Free-standing nickel molybdate/cobalt phosphate

In summary, this research showcases the successful fabrication of a novel electrode material comprising nickel molybdate nanorods and cobalt phosphate sheets using facile ...

### Phosphorous-containing oxygen-deficient cobalt molybdate as an ...

Herein, we demonstrate an effective strategy of creating phosphorus-containing cobalt molybdate ( $\text{CoMoO}_4$ ) with oxygen vacancies ( $\text{P-CoMoO}_{4-x}$ ) on nickel foam for use as a supercapacitor electrode.



## Facile Solid-State Chemical Synthesis of CoMoO<sub>4</sub> Nanorods for ...

Based on this, in this paper, three different CoMoO<sub>4</sub> nanomaterials were synthesized by solid-phase chemical reaction using different cobalt salts, and their electrochemical properties were studied as ...



## Simple synthesis and supercapacitor characterization of cobalt

To address this shortcoming, we have devised a simple hydrothermal method for producing a composite powder of cobalt molybdate and graphene oxide (CMG), with the goal of ...



## [Synergistic Effects of Cobalt Molybdate@Phosphate Core-Shell](#)

Designing binder-free and core-shell-like electrode materials with synergistic effects has attracted widespread attention for the development of high energy density hybrid supercapacitors (HSCs).

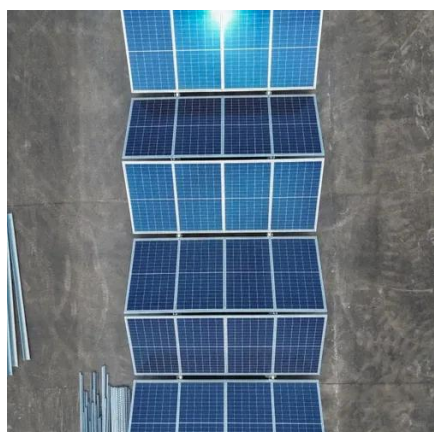
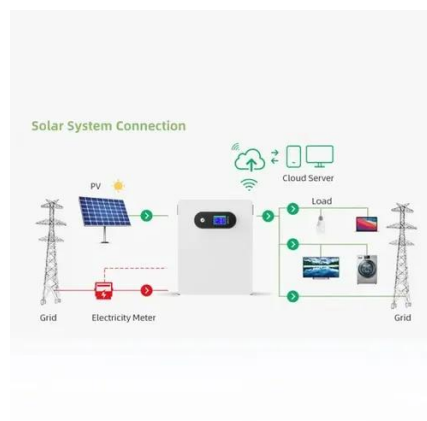


## [Transition Metal Molybdates Emerging](#)



## Materials for ...

We have systematically outlined the effect of structural properties and nanostructures on electrochemical performance of AMoO<sub>4</sub>. How the synthesis method affects the surface morphologies is discussed, ...



## Synergistically engineered cobalt molybdate/nickel boride

The present work is involved in the development of amorphous nickel boride-decorated cobalt molybdate nanorods (CoMoO<sub>4</sub> /Ni<sub>x</sub>B) heterostructures for improved electrochemical ...



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