

# Water-cooled energy storage pack patent

As the demand for efficient and reliable energy storage systems continues to rise, advancements in battery technology are crucial. One such advancement is the liquid cooling battery pack. ...

However, as the energy density of battery packs increases, the cooling efficiency of air cooling is insufficient to meet the heat dissipation requirements [11]. PCM utilizes the ...

A technology of energy storage battery and control method, which is applied in battery cooling/heating, primary battery use/maintenance, secondary battery, etc., and can solve ...

The device has the advantages that the natural cold source is used for cooling the water-cooled battery cooling water, so that the energy consumption of battery cooling is greatly reduced.

The patent summary indicates that this utility model encompasses a battery pack housing, battery pack, and vehicle, significantly contributing to the field of battery technology. ...

As of May 31, 2025, the National Intellectual Property Administration has confirmed the issuance of the patent, titled "A Battery Pack Housing, Battery Pack, and Vehicle," under announcement ...

An object to be cooled is quickly brought to a suitable temperature. An object to be cooled is quickly brought to a suitable temperature. A thermal energy storage pack 1 according to the ...

