

Caracas Super Aluminum Electrolytic Capacitor





Overview

What is the capacitance of aluminum electrolytic capacitors?

The capacitance of aluminum electrolytic capacitors is defined by the surface of the aluminum anode foil. This surface is maximized by special etching processes, giving these capacitors the highest volumetric capacitance of all capacitor technologies and thus an attractive cost per capacitance ratio.

What is a Sal capacitor?

The SAL are aluminum electrolytic capacitors with anodic oxidized aluminum oxide as dielectric and with the semiconducting solid manganese dioxide as electrolyte. They are made of etched and formed aluminum anodes, which are folded for the dipped pearl types or wound into a roll for the axial style.

What is the anode of an aluminum electrolytic capacitor?

The anode of an aluminum electrolytic capacitor is an aluminum foil of extreme purity. The effective surface area of this foil is greatly enlarged (by a factor of up to 200) by electrochemical etching in order to achieve the maximum possible capacitance values.

Are aluminum electrolytic capacitors good?

Aluminum Electrolytic Capacitors offer high capacitance in a small size but suffer from issues like high leakage current and electrolyte evaporation. They have good self-healing properties, and their construction involves reactive aluminum and conducting electrolytes.



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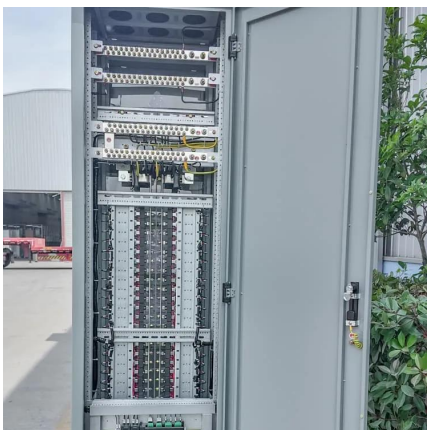
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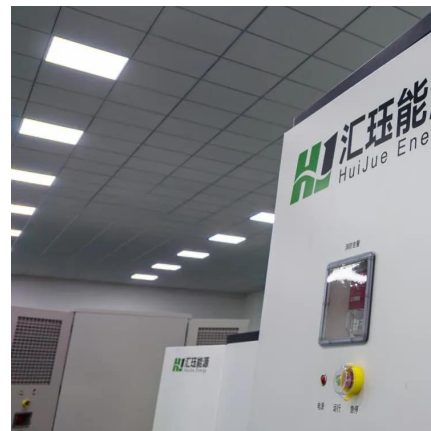


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NIC offers a comprehensive range of aluminum electrolytic capacitors, supporting applications from commercial to automotive grade. These capacitors come in a wide range of capacitance ...

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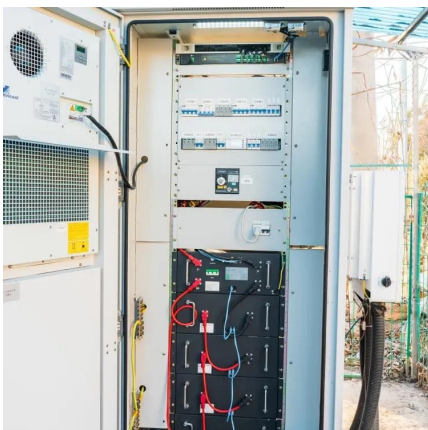
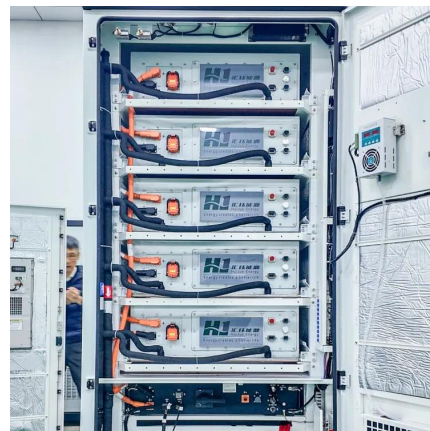


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