

# **Uninterruptible power supply connected to large capacitor**





## Overview

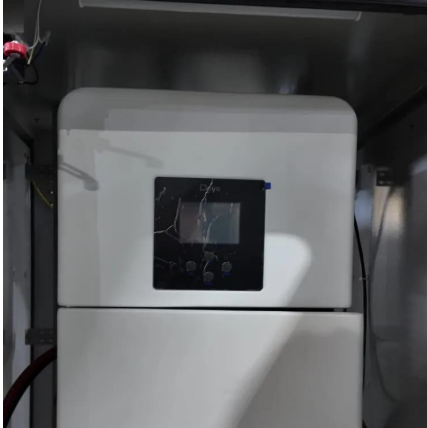
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This paper reviews the use of large DC aluminum electrolytic and AC polymeric film capacitors within Uninterruptible Power Supply (UPS) applications, focusing on aspects such as field aging, failure mechanisms, anticipated service life, and preventative maintenance of capacitors.



## Uninterruptible power supply connected to large capacitor

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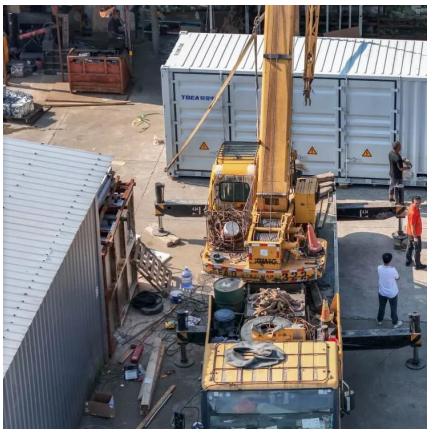


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Uninterruptible Power Supply (UPS) - In a UPS, large capacitors can serve as a backup power source to continue supplying electricity when the main power is interrupted. This prevents data ...



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Important User Information  
D. Status Indicator (green)  
Figure 2 Output Output in normal mode:  
Charging Ready and Buffer Relay Contact  
Relay Contact (8) EMC  
EMC Immunity - According to generic standards: EN 61000-6-1 and EN 61000-6-2  
The output section of the DC-UPS is fully controlled and is equipped with an electronic current limitation. A current overloading of the DC-UPS cannot happen, independent of which sizes of power supplies are used on the input of the DC-UPS. The current limitation works in a switching mode which reduces the power losses and heat generation to a mini See more on literature.  
rockwellautomation  
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## **Low Power PCB Design for Capacitor-based Uninterruptible Power Supply**

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