
Explore the live demonstration of the GD3162"s DC Link discharge feature and discover how NXP is enabling smarter, safer and more efficient EV systems through its latest ...

This paper examines the limitations of traditional discharge techniques and proposes a novel hybrid discharge solution that combines the existing winding-based discharge method with a ...

This discharge process aims to safeguard occupants or maintenance personnel, minimizing the risk of personal injury from contact with live components or potential fire hazards. Depending ...

This paper proposes a hybrid DC-bus capacitor discharge strategy relying on both the machine windings and external bleeder circuits to achieve the five-second discharge in minimum ...

Core Function: Outputs high-voltage DC power through the vehicle"s DC charging port to power dedicated DC loads such as high-voltage tools and energy storage devices.

Figure 2 shows a typical implementation for DC-Link capacitor discharge circuits. When the DC-Link capacitor is disconnected from any power source, an activated power switch dissipates ...

This specialized product is designed to extract DC power directly from Tesla"s fast-charging port and then convert it into safe, usable AC power using a built-in high-performance ...

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The method includes discharging the DC link capacitor responsive to a discharge command by toggling the first power transistor between an on state and an off state while ...

A DC link capacitor in a drive system for an electric vehicle discharges quickly using only local action within an inverter module and without any additional components to dissipate the...

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