Dual inverter voltage vector

Two level inverter fed induction motor drive with vector control strategies have output voltage with poor quality and high common mode voltage and it can be only used for low power ...

Given the considerable freedom in modulation and control of the DI topology, this paper researches the impact of reference voltage vector distribution between the two individual inverters.

Power Flow Control Strategy Based on the Voltage Vector Distribution for a Dual Power Electric Vehicle With an Open-End Winding Motor Drive System Publisher: IEEE

In this work, a double voltage vector model predictive control (DVV-MPC) algorithm for grid-connected cascade H-bridge (CHB) multilevel inverter is presented. The algorithm not only has ...

This configuration supplies the subsequent inverter stage with DC voltage levels at an optimal asymmetric ratio. In conjunction with a dual-output space vector pulse width modulation ...

To supply loads with this type of connection, two power inverters (one at each terminal end of the load) are required in a circuit topology called dual-inverter. In this chapter, a general study of the dual ...

This article introduces an innovative overmodulation strategy for a dual two-level inverter topology featuring galvanically isolated dc-links and accommodating arbitrary distribution of dc-bus ...

The paper presents a new conception of applying a system configuration of two machines supplied by a five-phase inverter with a common leg.

Based on a drive system model with voltage vector distribution, this paper proposes a desired power sharing calculation method and three different voltage vector distribution methods.

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