A-Core Container

8800va high frequency inverter

Overview

What is a high frequency inverter?

In many applications, it is important for an inverter to be lightweight and of a relatively small size. This can be achieved by using a High-Frequency Inverter that involves an isolated DC-DC stage (Voltage Fed Push-Pull/Full Bridge) and the DC-AC section, which provides the AC output.

Which power supply topologies are suitable for a high frequency inverter?

The power supply topologies suitable for the High-Frequency Inverter includes push-pull, half-bridge and the full-bridge converter as the core operation occurs in both the quadrants, thereby, increasing the power handling capability to twice of that of the converters operating in single quadrant (forward and flyback converter).

How does a C2000 inverter work?

C2000TM and PiccoloTM are trademarks of Texas Instruments. All trademarks are the property of their respective owners. The applied DC voltage is converted to a 50 Hz AC voltage via a full bridge (S1. S4). This is then transmitted via a 50 Hz transformer and subsequently fed into the public grid. Figure 1-2. Transformerless Inverter Technology

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