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Figure 1: This DC/DC converter is isolated, as indicated by the transformer between the input and output stages. (Image source: XP Power) In contrast, non-isolated DC/DC converters, often used when the change in voltage is small, have a DC path between input and output. Key performance and design considerations

The MAX13256 evaluation kit (EV kit) is a fully assembled and tested PCB that contains the MAX13256 10W isolated H-bridge DC-DC converter. The EV kit operates from an 8V to 36V DC power source and the on-board 1:1 turns-ratio transformer from HALO sets the output voltage range from 6.8V to 34.8V with a 300mA current limit. View Design

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DC/DC converters are either isolated or non-isolated. An isolated DC/DC converter uses a transformer to eliminate the DC path between input and output (Figure 1). In contrast, non-isolated DC/DC converters, often used when the change in voltage is small, have a DC path between input and output. Key performance and design considerations

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