





## Bidirectional inverter under wide input voltage

An isolated high voltage conversion ratio bidirectional dc -dc converter is proposed and validated. The voltage stress reduction and current ripple cancellation features fit well for Wide Input and Output Voltage in Bidirectional DC-DC Aug 2, 2018. A 5 kW SiC bidirectional DC-DC converter was built, and the peak efficiency was 98.2% when the input voltage was 300 V, the output voltage was 150 V, and the power was 5 kW. A Two-Stage Bidirectional DC-DC Converter With a Wide Output Voltage Dec 12, 2018. The drive to reduce the charging time and energy loss in electric vehicles (EVs) has led to increasing battery voltages to 800 V, 1.25 kV, and 1.5 kV, posing new challenges. An Isolated Bidirectional Soft-Switching DC-DC Converter for Wide Input Dec 5, 2018. This paper presents the analysis and design of an isolated bidirectional DC-DC converter for applications where both input and output voltages may vary in a wide range. The Isolated bidirectional DC-DC Converter: A topological review Jun 1, 2018. Also, during input voltage variation, voltage and current stress is introduced. To overcome these challenges bidirectional converters are used, in which unidirectional switches are used. A Two-Stage Bidirectional DC-DC Converter With a Wide Output Voltage Dec 12, 2018. The drive to reduce the charging time and energy loss in electric vehicles (EVs) has led to increasing battery voltages to 800 V, 1.25 kV, and 1.5 kV, posing new challenges.

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