The Q2 inrush current limiting circuit isn’t functioning. An IGBT without body diode should be applied on Q2 with different driving scheme.
Or other inrush current limiting circuit should be applied:
Ex: http://www.ti.com/tool/PMP22087

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Contact: http://www.ti.com/support
Engineer: Sheng-Yang Yu

Contact: http://www.ti.com/support

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