

Isolated DC-DC forward converter

The schematic diagram illustrates an isolated DC-DC forward converter circuit. The input is a 12V supply, which is connected to the primary of a transformer (T6, 750311492). The secondary of the transformer is connected to a full-bridge rectifier (M1, M2, M3, M4) and a filter capacitor (C79). The output of the rectifier is connected to a battery (CELL_POS, CELL_NEG) and a load (EN_SW). The circuit includes various components such as capacitors (C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88), resistors (R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99), diodes (D27, D28, D29, D30, D31, D32), and integrated circuits (U8, U9, U10, U11, M1, M2, M3, M4, M5). The output is connected to a battery (CELL_POS, CELL_NEG) and a load (EN_SW).

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