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Module 3 Switched Mode Power Supplies 5 How Fig. 3.1.5 Works When the transistor switch turns on the positive supply voltage is applied to L1. The diode D1 is reverse biased at this moment, so the supply current cannot reach the output, but charges L1,

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1.2 Introduction to Switching Power Supply (S.P.S.) (1)Switching power supplies mainly improve the weaknesses such as the huge volume, the heavy weight, and the low efficiency in linear power supplies. The topology of a switching power supply, as shown in figure 1.3, rectifies and filters the voltage

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If you repair any ATX power supply, make sure you check the fan too because some power supply failure was due to heat caused by a faulty fan. The purpose of the fan is to suck out all the heat generated by the components inside the power supply especially the switch mode transformer and Schottky diodes that were attached to a heatsink. In order

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