

Title : AC/DC Adapter 110/230 volts, with multiple DC outputs.

Abstract :

All desktop computers including workstations and servers have internal power supply with DC output of 12v and 5 v from a AC 110v/230v outlet. They do not have a portable AC-DC adapter or an external/internal battery power supply. The laptop computers are powered by internal/external battery or charged simultaneously from a AC 110v/230v adapter. Each laptop use different battery voltages from 10.4 v to 14.8 volts or more, specific to the particular model.

The product consists of a combination of three components used as a whole, in combination or as separate individual items/components. The three components are an AC-DC 110v/230v (30-230 watts or more) adapter with regulated high amps current dual DC output of 12v and 5 v, an AC-DC 110v/230v (30-230 watts or more) adapter/charger with regulated high amps current DC output of 5v, 12v and 16v and an internal and or an external low profile DC-DC adapter/converter with variable or fixed DC input of 8v to 16v (or wider range) and a regulated multiple high amps current DC outputs of 3.3v, 5v and 12 v and/or other regulated multiple high amps current DC output voltages.

Materials : Hard plastic polymer casing, PCB with components and wiring, DC output jacks.

Drawings : Figure 2

The proposed portable AC/DC adapter 110/230v, of variable high wattage, is a new type of AC/DC adapter using 1 or more transformers complete with the circuits for one or more regulated high current low voltage DC outputs and/or a dual DC output of 5v and 12 v and a battery charger. A key component is the internal/external low profile high current low voltage DC-DC adapter/converter with variable DC input of 8v to 16v (or wider range) and a multiple regulated variable DC outputs of 3.3v, 5v and 12 v and/or other multiple regulated variable DC output voltage combinations.



162162



G00001